		FLOOR		OUTS	IDE C	OOLI	IG		HEATING	COOLING	HEATING	HEAT PU	MP	
SYSTEM	ALTITUDE	AREA				PACI		ENSIBLE	CAPACITY	EIR				
TYPE	FACTOR	(SQFT)	PEC	PLE RA	TIO (KB	TU/H	5)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HI	₹)	
PVVT	1.000	20477.3		0. 1.	000 1	34.00	00	0.677	-320.000	0.252	0.165	0.00	00	
		DIVERSITY	POWE	r fan	STA	TIC	TOTAI	L MECH			MAX FA	AN MIN FA	AN	
FAN	CAPACITY	FACTOR	DEMAN	ID DELTA-T	PRESS	URE	EFF	F EFF	F	AN F	'AN RATI	O RAT	IO	
TYPE	(CFM)	(FRAC)	(KW	(F)	(IN-WAT	ER)	(FRAC	(FRAC)	PLACEME	NT CONTR	OL (FRAC	C) (FRAC	2)	
SUPPLY	5500.	1.00	2.95	1.66		0.0	0.00	0.00	DRAW-TH	RU CONSTA	NT 1.0	00 0.1	30	
			a					0	goot ****					
ZONE			SUPPLY FLOW	EXHAUST FLOW	FAN		NIMUM FLOW	OUTSIDE AIR FLOW			EXTRACTION RATE	HEATING CAPACITY	ADDITION	ZONE
NAME			(CFM)	(CFM)	(KW)		FLOW FRAC)		(KBTU/HR)		(KBTU/HR)			
NAME			(CFM)	(CFM)	(ICW)	(1	· RAC)	(CFM)	(KBIU/HK)	(FRAC)	(KBIU/HK)	(KBIU/HK)	(KBIU/RK)	MOLI
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	1.000	214.	0.00	0.00	1.54	0.00	-10.23	1.
Zn L15 C (G.C10) COR		388.	0.	0.000	-	L.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		L.000	183.	0.00	0.00	1.31	0.00	-8.73	1.
	G.ENE2) CO	R	499.	0.	0.000		1.000	499.		0.00		0.00	-29.75	
Zn L5 C (G			283.	0.	0.000		1.000	283.		0.00		0.00	-13.50	
Zn L8 C (M			214.	0.	0.000		1.000	214.		0.00		0.00	-10.23	
	T.C44) COR		230.	0.	0.000		L.000	230.		0.00		0.00	-10.97	
7m 116 G /	G.C10) COR		166.	0.	0.000		1.000	166.	0.00	0.00	1.19	0.00	-7.94	1
Zn L16 C (171.	0.	0.000		L.000	171.		0.00		0.00	-7.94	

PVVT 1.000 2956.7 0.

FLOOR
SYSTEM ALTITUDE AREA
TYPE FACTOR (SQFT)

REPORT- SV-A System Design Parameters for $\,$ SF-L4-1 (COR DOAS)

MAX PEOPLE

SF-L4-1 (COR DOAS)			WEATH	ER FILE- SI	EATTLE BOEING	i FI WA
OUTSIDE	COOLING		HEATING	COOLING	HEATING	HEAT PUMP	
AIR	CAPACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
RATIO	(KBTU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
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	
		S	IIPPI.Y E	TRIIGHX	MT	NTMIM	OUTSIDE	COOLING	EXT	RACTION	HEATING A	DDITION

	SUPPLY	EXHAUST		MINIMUM	OUTSIDE	COOLING]	EXTRACTION	HEATING	ADDITION	
ZONE	FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE	ZONE
NAME	(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	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	(BASEBOAR	DS)
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.

Zn L1 N (G.NNW2) RTL

0.00 -15.40 1.

0.00 0.00 34.29

REPORT- SV-A System Design Parameters for L1 Retail Split System N

WEATHER FILE- SEATTLE BOEING FI WA _____ FLOOR MAX OUTSIDE COOLING HEATING COOLING HEATING HEAT PUMP AIR CAPACITY SENSIBLE CAPACITY
RATIO (KBTU/HR) (SHR) (KBTU/HR) EIR SYSTEM ALTITUDE AREA MAA PEOPLE EIR SUPP-HEAT ALTITUDE AREA FACTOR (SQFT) (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) TYPE PVVT 1.000 2831.6 47. 0.000 40.205 0.784 -35.630 0.244 0.275 POWER FAN STATIC TOTAL MECH DEMAND DELTA-T PRESSURE EFF EFF DIVERSITY MAX FAN MIN FAN FAN FAN FAN CAPACITY FACTOR RATIO RATIO TYPE (CFM) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL SUPPLY 1588. 1.00 2.747 5.35 0.0 0.50 0.00 DRAW-THRU CYCLING 1.00 0.30 EXTRACTION HEATING ADDITION SUPPLY EXHAUST MINIMUM OUTSIDE COOLING FAN FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY ZONE FLOW FLOW RATE ZONE NAME (CFM) (CFM) (KW) (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) MULT

1588. 0. 0.000 0.001 0.

		FLOOR		OUTS	IDE COO	DLING		HEATING	COOLING	HEATING	HEAT PUM	ſP	
SYSTEM	ALTITUDE	AREA	M	IAX I	AIR CAPA	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA	AΤ	
TYPE	FACTOR	(SQFT)	PEOP	LE RAT	rio (KBTU	J/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HF	2)	
PVVT	1.000	2636.9	8	5. 0.5	502 48	3.000	0.642	-51.000	0.171	0.172	0.00	00	
		DIVERSITY	POWER	. FAN	STATI	IC TOTA	AL MECH			MAX FA	N MIN FA	AN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSUE	RE EF	FF EFF	FA	AN FA	N RATI	O RATI	0	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATER	R) (FRAC	(FRAC)	PLACEMEN	NT CONTRO	L (FRAC	(FRAC	2)	
SUPPLY	1270.	1.00	0.240	0.58	0.	.0 0.5	0.00	DRAW-THE	RU SPEE	D 1.0	0 0.3	30	
		S	UPPLY	EXHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE	ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	MULT
Zn L1 C (0	G.C4) LOB		123.	0.	0.000	1.000	63.	0.00	0.00	2.33	0.00	-4.42	1.
Zn L1 N (0	G.N14) LOB		1137.	0.	0.000	1.000	576.	0.00	0.00	21.57	0.00	-40.95	1.
Zn L1 C (0	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

SYSTEM ALTITUDE													
TYPE FACTOR (SQFT) PEOPLE RATIO (KBTU/HR) (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) PVVT 1.000 5434.4 91. 0.000 84.249 0.782 -74.354 0.241 0.273 -10.327 DIVERSITY POWER FAN STATIC TOTAL MECH FAN FAN RATIO RATIO RATIO TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) (FRAC) FAN CAPACITY FACTOR DEMAND DELTA-T PRESSURE EFF EFF FAN FAN RATIO RATIO RATIO RATIO TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) (FRAC) FLACEMENT CONTROL (FRAC) (FRAC) (FRAC) CFM CFM			FLOOR		OUTSI	DE CO	OLING		HEATING	COOLING	HEATING	HEAT PUN	IP
PVVT 1.000 5434.4 91. 0.000 84.249 0.782 -74.354 0.241 0.273 -10.327 Table Table	SYSTEM	ALTITUDE	AREA	MZ	AX P	AIR CAP	ACITY S	ENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA	AΤ
DIVERSITY POWER FAN STATIC TOTAL MECH FAN FA	TYPE	FACTOR	(SQFT)	PEOPI	LE RAT	CIO (KBT	J/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HF	₹)
DIVERSITY POWER FAN STATIC TOTAL MECH FAN FA													
FAN CAPACITY FACTOR DEMAND DELTA-T PRESSURE EFF EFF FAN FAN RATIO RATIO TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) (FRAC) PLACEMENT CONTROL (FRAC)	PVVT	1.000	5434.4	91	L. 0.0	000 8	4.249	0.782	-74.354	0.241	0.273	-10.32	27
FAN CAPACITY FACTOR DEMAND DELTA-T PRESSURE EFF EFF FAN FAN RATIO RATIO TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) (FRAC) PLACEMENT CONTROL (FRAC)													
FAN CAPACITY FACTOR DEMAND DELTA-T PRESSURE EFF EFF FAN FAN RATIO RATIO TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) (FRAC) PLACEMENT CONTROL (FRAC)													
TYPE (CFM) (FRAC) (KW) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL (FRAC) (FRAC) (FRAC) SUPPLY 3314. 1.00 5.734 5.35 0.0 0.00 0.00 DRAW-THRU CONSTANT 1.00 0.30 SUPPLY EXHAUST FLOW AIR FLOW AIR FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY RATE ZONE NAME (CFM) (CFM) (KW) (FRAC) (CFM) (KBTU/HR) (KBTU/HR) (KBTU/HR) (KBTU/HR) (MULT) Zn L1 E (G.ENE18) RTL 2970. 0. 0.000 0.001 0. 0.00 0.00 64.14 0.00 -27.70 127.70 (BASEBOARDS) Zn L2 N (G.NE9) RTL 139. 0. 0.000 1.000 0.000 0.000 0.000 0.000 3.00 0.000 -16.95 112.00 (BASEBOARDS) Zn L2 S (G.SE10) RTL 206. 0. 0.000 1.000 0.000 0.000 0.000 0.000 4.44 0.00 -19.33 1.			DIVERSITY	POWER	FAN	STAT	IC TOTA	L MECH			MAX FA	N MIN FA	AN
SUPPLY 3314. 1.00 5.734 5.35 0.0 0.00 0.00 DRAW-THRU CONSTANT 1.00 0.30 SUPPLY EXHAUST FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY RATE ZONE (CFM) (CFM	FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EF	F EFF	FA	AN FA	N RATI	O RATI	10
SUPPLY	TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC) (FRAC)	PLACEMEN	NT CONTRO	L (FRAC) (FRAC	2)
SUPPLY													
SUPPLY	SUPPLY	3314.	1.00	5.734	5.35	0	.0 0.0	0.00	DRAW-THE	RU CONSTAN	т 1.0	0 0.3	30
ZONE NAME FLOW FLOW CFM FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY CAPAC													
ZONE NAME FLOW FLOW CFM FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY CAPAC													
ZONE NAME FLOW FLOW CFM FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY CAPAC			s	Y.IGGIIS	TRITATION		MINIMIIM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
NAME (CFM) (CFM) (KW) (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) (KBTU/HR) MULT Zn ll 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.	ZONE		-			FAN							
Zn L1 E (G.ENE18) RTL 2970. 0. 0.000 0.001 0. 0.00 0.00 64.14 0.00 -27.70 127.70 (BASEBOARDS) Zn L2 N (G.NE9) RTL 139. 0. 0.000 1.000 0. 0.00 0.00 3.00 0.00 -16.95 112.00 (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.			,										
To L2 N (G.NE9) RTL 139. 0. 0.000 1.000 0. 0.00 0.00 3.00 0.00 -16.95 112.00 (BASEBOARDS) Zn L2 N (G.SE10) RTL 206. 0. 0.000 1.000 0. 0.00 0.00 4.44 0.00 -19.33 1.	INAME		(CFM)	(CFM)	(ICW)	(FRAC)	(CFM)	(KBIU/HK)	(FRAC)	(KBIU/HK)	(KBIU/HK)	(KBIU/HK) MULI
To L2 N (G.NE9) RTL 139. 0. 0.000 1.000 0. 0.00 3.00 0.00 -16.95 112.00 (BASEBOARDS) Zn L2 N (G.SE10) RTL 206. 0. 0.000 1.000 0. 0.00 0.00 4.44 0.00 -19.33 1.	g 11 E /G	DATE 10 \ DE	T	2070	0	0 000	0 001	0	0.00	0.00	64 14	0.00	07 70 1
Zn L2 N (G.NE9) RTL 139. 0. 0.000 1.000 0. 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.	ZII LI E (G	LENEIO) KI	ь	2970.	υ.	0.000	0.001	0.	0.00	0.00	04.14		
-12.00 (BASEBOARDS) Zn L2 S (G.SE10) RTL 206. 0. 0.000 1.000 0. 0.00 4.44 0.00 -19.33 1.													
Zn L2 S (G.SE10) RTL 206. 0. 0.000 1.000 0. 0.00 4.44 0.00 -19.33 1.	Zn L2 N (G	.NE9) RTL		139.	0.	0.000	1.000	0.	0.00	0.00	3.00		
												-12.00	(BASEBOARDS)
	Zn L2 S (G	.SE10) RTL	ı	206.	0.	0.000	1.000	0.	0.00	0.00	4.44	0.00	-19.33 1.
-12.00 (BASEBOARDS)												-12.00	(BASEBOARDS)

Zn L3 S (G.S9) OFF

Zn L3 C (G.C10) STO

-1.74

1.45

-13.19 1.

-18.00 (BASEBOARDS)

REPORT- SV-A System Design Parameters for L3 Ops Office Elec Heat

34.

WEATHER FILE- SEATTLE BOEING FI WA ______ FLOOR MAX OUTSIDE COOLING HEATING COOLING HEATING HEAT PUMP SYSTEM ALTITUDE AREA TYPE FACTOR (SQFT) AIR CAPACITY SENSIBLE CAPACITY
RATIO (KBTU/HR) (SHR) (KBTU/HR) EIR EIR SUPP-HEAT PEOPLE (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) PTAC 1.000 812.1 0.000 0.000 0.000 0.000 0.173 0.000 0.000 POWER FAN STATIC TOTAL MECH
DEMAND DELTA-T PRESSURE EFF EFF FAN FAN DIVERSITY MAX FAN MIN FAN FAN CAPACITY FACTOR RATIO RATIO TYPE (CFM) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL SUPPLY 44. 0.00 0.000 0.93 0.0 0.00 0.00 BLOW-THRU CYCLING 0.00 0.00 EXTRACTION HEATING ADDITION SUPPLY EXHAUST MINIMUM OUTSIDE COOLING FAN FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY ZONE FLOW FLOW RATE ZONE NAME (CFM) (CFM) (KW) (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) (KBTU/HR) MULT

0.

10. 0. 0.003 1.000 0. 0.39 0.67 0.36 -1.00 -0.68 1.

1.56 0.64

0. 0.010 1.000

REPORT- SV-A System Design Parameters for L4 Sys1 (PVVT) (G.C6)

	/	Debign rara		2-	(,	(/						
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAE	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	562.9	4.	0.0	000	6.000	0.796	-6.700	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STAT	CIC TOTA	AL MECH	Į.		MAX FAN	MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F.	AN FA	N RATIO	RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	233.	1.00	0.044	0.58	C	0.0	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L4 C (G	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)

		FLOOR		OUTSI	IDE C	OOLING		HEATING	COOLING	HEATING	HEAT PUME	•
SYSTEM	ALTITUDE	AREA	MAX	ζ Z	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	1
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1197.3	8.	0.0	000	36.000	0.846	-42.000	0.296	0.173	0.000	ı
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	URE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	1353.	1.00	0.256	0.58		0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	ı
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)				KBTU/HR) 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)

	•	_		-								
		FLOOR		OUTS		OLING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	ζ 2	AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	rio (KB7	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	1
PVVT	1.000	2458.5	17.	0.0	000 6	6.000	0.905	-72.000	0.294	0.172	0.000)
		DIVERSITY	POWER	FAN	STAT	CIC TOTA	AL MECH	I		MAX FAI	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	CR) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC	(FRAC)
SUPPLY	1518.	1.00	0.287	0.58	(0.0 0.5	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	KBTU/HR) MULT
Zn L4 S (G	3.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)

	•	_		-								
		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	ζ 2	AIR CAI	PACITY :	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	1197.7	8.	. 0.0	000	33.000	0.880	-39.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)) (FRAC	
SUPPLY	878.	1.00	0.166	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) ((CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L4 E (G	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)

REFORT BY	- A Dybeem				,	(0.1111)						
		FLOOR		OUTSI	DE CO	OLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX		AIR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	2234.4	16.	0.0	000 3	6.000	0.827	-42.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	'IC TOTA	AL MECH	I		MAX FAN	MIN FAN	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EI	FF EFF	' F	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	1201.	1.00	0.227	0.58	0	.0 0.5	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L4 N (G	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUME SUPP-HEAT (KBTU/HR)	1
PVVT	1.000	5388.9	38.	0.0	000	63.000	0.818	-69.000	0.171	0.172	0.000	
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		an fa	MAX FAN N RATIO		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	2031.	1.00	0.384	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) 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)

						, (,						
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	?
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	3915.1	27.	0.0	000	48.000	0.823	-54.000	0.171	0.172	0.000)
		DIVERSITY	POWER	FAN	STA	ric Tota	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	1
SUPPLY	1518.	1.00	0.287	0.58	•	0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) 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)

	•	_		2		, , , , , ,						
		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	ζ 2	AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	1
PVVT	1.000	1411.5	3	. 0.0	000 2	24.000	0.883	-27.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH	I		MAX FAI	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC	(FRAC	1
SUPPLY	680.	1.00	0.129	0.58	(0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		((CFM)	(KW)	(FRAC)		(KBTU/HR)				KBTU/HR) MULT
Zn L5 W (G	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)

arrammr.		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX				SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	rio (KB1	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	4144.8	8.	. 0.0	000 3	36.000	0.927	-39.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT					MAX FAI		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	' FA	AN FA	N RATIO	O RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)) (FRAC)
SUPPLY	856.	1.00	0.162	0.58	(0.0 0.5	0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L5 S (G	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)

	-	_		-								
SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTS		OOLING PACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUM	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1518.1	3	. 0.0	000	21.000	0.895	-21.000	0.172	0.173	0.00)
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAN	N MIN FAI	Ŋ
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	596.	1.00	0.113	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.3	0
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MULT
Zn L5 E (G	.ESE8) APT	1	596.	91.	0.018	1.000	0.	0.00	0.00	12.76	0.00	-21.13 1.

REPORT- SV-A	System Design	Darameters	for	T.5 Syg1	(D\X\T)	(C ENE9)

		FLOOR		OUTSI	DE CC	OOLING		HEATING	COOLING	HEATING	HEAT PUM	P
SYSTEM	ALTITUDE	AREA	MAX	. A	IR CAF	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	r
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	IO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1445.8	3.	0.0	00 1	8.000	0.953	-18.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH	Ī		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	F EFF	FA FA	AN FA	N RATIO) RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEMEN	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	347.	1.00	0.066	0.58	C	0.0	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		G	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	13.	XTRACTION	HEATING	ADDITION
ZONE		۵	FLOW EX	FLOW	FAN	FLOW	AIR FLOW		SENSIBLE		CAPACITY	RATE ZONE
		,										
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MULT
Zn L5 E (G	.ENE9) APT	1	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)

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		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	?
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1353.9	3.	0.0	000	21.000	0.861	-24.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	FIC TOT.	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	1
SUPPLY	675.	1.00	0.128	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) 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)

	-	_		2		,						
SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTS		OLING ACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLI			U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	3993.7	7.	. 0.0	000 2	7.000	0.842	-30.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	IC TOTA	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EI	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)) (FRAC	1
SUPPLY	851.	1.00	0.161	0.58	0	.0 0.5	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L5 N (G	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)

							' 					
		FLOOR		OUTSI	DE CC	OLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX		AIR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	956.7	2.	0.0	000 1	5.000	0.871	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	'IC TOTA	AL MECH	Ī		MAX FAN	N MIN FAN	ı
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE E	FF EFF	F.	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	454.	1.00	0.086	0.58	0	.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L6 W (G	G.WSW5) APT	1	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)

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		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUME)
SYSTEM	ALTITUDE	AREA	MAX	P	AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	2069.4	4.	0.0	000	15.000	0.850	-21.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAN	N MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EI	FF EFF	F	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAG	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	540.	1.00	0.102	0.58	(0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) 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)

SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTSI		OLING ACITY S	ENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUME SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1233.6	2	0.0	000 1	2.000	0.900	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	IC TOTA	L MECH			MAX FAN	MIN FAN	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EF	F EFF	FA FA	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	(FRAC)	PLACEMEN	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	326.	1.00	0.062	0.58	0	.0 0.5	0.00	DRAW-THE	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L6 E (G	G.ESE7) APT	1:	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLI		AIR CA	DOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUM SUPP-HEA' (KBTU/HR	г
PVVT	1.000	640.8	1	. 0.0	000	9.000	0.864	-9.000	0.173	0.173	0.00)
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA'		AL MECH		an fa	MAX FAN		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	280.	1.00	0.053	0.58	•	0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	rg 1.00	0.3)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING		XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) MULT
Zn L6 W (G	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE		AIR CA	OOLING PACITY : TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMI SUPP-HEAT (KBTU/HR	Г
PVVT	1.000	925.4	2.	0.0	000	9.000	0.812	-12.000	0.173	0.173	0.000)
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		AN FA	MAX FAN N RATIO		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	397.	1.00	0.075	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	SUPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MULT
Zn L6 N (G	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)

	•	_										
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	?
SYSTEM	ALTITUDE	AREA	MAX	I P	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA	Γ
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	749.0	1.	0.0	000	6.000	0.864	-6.700	0.173	0.173	0.00)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAI	N MIN FA	N
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	' F.	AN FA	N RATIO) RATI)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	167.	1.00	0.032	0.58		0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.3)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZO
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MU
Zn L6 N (G	.NE10) APT	1:1	167.	45.	0.009	1.000	0.	0.00	0.00	3.58	0.00	-5.92

REPORT- SV-A System Design Parameters for L6 Sys1 (PVVT) (G.NW11)

		FLOOR		OUTSI	IDE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX		AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	711.4	1.	0.0	000	6.000	0.849	-6.700	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAN	I MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F	AN FA	N RATIO) RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	188.	1.00	0.036	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L6 N (G	G.NW11) APT	1:1	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)

		FLOOR		OUTS	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	Z Z	AIR CA	PACITY :	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	?
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	1265.9	2 .	0.0	000	9.000	0.856	-9.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	' FA	AN FAI	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEMEI	NT CONTRO	L (FRAC)) (FRAC	
SUPPLY	259.	1.00	0.049	0.58	(0.0 0.	50 0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L6 N (G	G.NE12) APT	1	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)

		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	ζ ,	AIR CAE	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	679.6	1.	0.0	000	6.000	0.943	-6.700	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH	Ī		MAX FAN	MIN FAR	I
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	112.	1.00	0.021	0.58	C	0.0 0.5	0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L6 E (G	G.ESE13) AP	T1	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)

	_			-								
SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTS		OOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLI			TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	956.7	2	. 0.0	000 1	5.000	0.870	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAI	CIC TOTA	AL MECH	Į.		MAX FAI	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	458.	1.00	0.087	0.58	C	0.0 0.5	0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L7 W (G	G.WSW5) API	1:1	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)

MEATHED	RTIR_	CEATTLE	POPING	E T	TAT 7N

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUME SUPP-HEAT (KBTU/HR)	?
PVVT	1.000	2069.4	4.	0.0	000	18.000	0.878	-21.000	0.173	0.173	0.000)
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		AN FA	MAX FAN N RATIC		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	551.	1.00	0.104	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) 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)

REFORT BY	A Dybeem	Debign rara			, , , , , , ,	, (0.2027	, 					WA	
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	•	
SYSTEM	ALTITUDE	AREA	MAX	P	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA'	Γ	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1233.6	2.	0.0	000	12.000	0.896	-15.000	0.173	0.173	0.00)	
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAM	N MIN FAI	Ŋ	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	URE E	FF EFF	' F.	AN FA	N RATIO	O RATIO)	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)	
SUPPLY	333.	1.00	0.063	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.3)	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	EXTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE	ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	MULT
Zn L7 E (G	G.ESE7) APT	1	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)

	/	Debign rara			(, (,						
		FLOOR		OUTS	IDE C	OOLING		HEATING	COOLING	HEATING	HEAT PUMI	?
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	r ·
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	640.8	1.	0.0	000	6.000	0.809	-9.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	FIC TOT.	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	' F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	268.	1.00	0.051	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MULT
Zn L7 W (G	G.W8) APT1		268.	39.	0.008	1.000	0.	0.00	0.00	4.54	0.00	-9.52 1.

NAME

Zn L7 N (G.NW9) APT1

8.86

(KW) (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) MULT 0.00 0.00

RATE ZONE

0.00 -14.67 1.

REPORT- SV-A	System	Design	Parameters	for	T.7	Svs1	(PV/VT)	(G NW9)

FLOW

(CFM)

FLOW

(CFM)

WEATHER FILE- SEATTLE BOEING FI WA ______ FLOOR OUTSIDE COOLING HEATING COOLING HEATING HEAT PUMP
AREA MAX AIR CAPACITY SENSIBLE CAPACITY EIR EIR SUPP-HEAT
(SQFT) PEOPLE RATIO (KBTU/HR) (SHR) (KBTU/HR) (BTU/BTU) (KBTU/HR) SYSTEM ALTITUDE AREA TYPE FACTOR (SQFT) 2. PVVT 1.000 938.6 0.000 12.000 0.847 -12.000 0.173 0.173 POWER FAN STATIC TOTAL MECH DEMAND DELTA-T PRESSURE EFF EFF FAN FAN MAX FAN MIN FAN DIVERSITY FAN CAPACITY FACTOR RATIO TYPE (CFM) (KW) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL SUPPLY 414. 1.00 0.078 0.58 0.0 0.50 0.00 DRAW-THRU CYCLING 1.00 0.30 MINIMUM OUTSIDE COOLING EXTRACTION HEATING ADDITION FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY RATE SUPPLY EXHAUST

FAN

414. 56. 0.011 1.000 0.

REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NE10)

		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX	K A	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	681.8	1	. 0.0	000	6.000	0.866	-6.700	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAN	I MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F	AN FA	N RATIC) RATIC	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	169.	1.00	0.032	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		g	UPPLY E	KHAUST		MINIMUM	OUTSIDE	COOLING	æ	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW		SENSIBLE		CAPACITY	RATE ZONE
		,										
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L7 N (G	.NE10) APT	1	169.	41.	0.008	1.000	0.	0.00	0.00	3.61	0.00	-5.97 1.

NAME

Zn L7 N (G.NW11) APT1

0.00 -6.77 1.

0.00 0.00 4.09

REPORT- SV-A System Design Parameters for L7 Sys1 (PV	7T) (G NW11)

(CFM)

(CFM)

(KW)

191. 43. 0.008 1.000 0.

WEATHER FILE- SEATTLE BOEING FI WA ______ FLOOR OUTSIDE COOLING HEATING COOLING HEAT PUMP
AREA MAX AIR CAPACITY SENSIBLE CAPACITY EIR EIR SUPP-HEAT
(SQFT) PEOPLE RATIO (KBTU/HR) (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) SYSTEM ALTITUDE AREA TYPE FACTOR (SQFT) (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) PVVT 1.000 711.4 0.000 6.000 0.847 -6.700 0.173 0.173 POWER FAN STATIC TOTAL MECH DEMAND DELTA-T PRESSURE EFF EFF FAN FAN MAX FAN MIN FAN DIVERSITY FAN CAPACITY FACTOR RATIO TYPE (CFM) (KW) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL SUPPLY 191. 1.00 0.036 0.58 0.0 0.50 0.00 DRAW-THRU CYCLING 1.00 0.30 MINIMUM OUTSIDE COOLING EXTRACTION HEATING ADDITION FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY RATE SUPPLY EXHAUST MINIMUM OUTSIDE COOLING FAN FLOW FLOW RATE ZONE (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) MULT REPORT- SV-A System Design Parameters for L7 Sys1 (PVVT) (G.NE12)

		_		-								
SYSTEM	ALTITUDE	FLOOR AREA	MA.	OUTS		OOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLI			ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1265.9	2	. 0.0	000	9.000	0.844	-12.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH			MAX FAN	I MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	283.	1.00	0.053	0.58	C	0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L7 N (6	G.NE12) APT	1.	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)

							- ,					
		FLOOR		OUTS	IDE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX	. I	AIR CAE	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	679.6	1.	0.0	000	6.000	0.933	-6.700	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STAT	ric Tota	AL MECH	I		MAX FAN	MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F	AN FA	N RATIO	RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	118.	1.00	0.022	0.58	(0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L7 E (G	G.ESE13) AF	T1	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)

							. , 					
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM	•
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAE	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	ľ
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	5740.4	11.	0.0	000 9	3.000	0.861	-105.000	0.170	0.171	0.000)
		DIVERSITY	POWER	FAN	STAT	CIC TOTA	AL MECH	I		MAX FAN	MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	3017.	1.00	0.570	0.58	C	0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		s	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) MULT
Zn L8 W (M	1.WSW20) AF	T1	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)

	•	_		-								
SYSTEM	ALTITUDE	FLOOR AREA	MAX		IR CAI		ENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMP	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	'10 (KB'	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	12416.1	23.	0.0	00 12	20.000	0.877	-135.000	0.169	0.171	0.000	
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EF	F EFF	F	AN FA	N RATIC	RATIC	1
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	3711.	1.00	0.701	0.58	(0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L8 S (M	I.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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE		AIR CA	OOLING PACITY : TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUME SUPP-HEAT (KBTU/HR)	?
PVVT	1.000	7401.4	14.	0.0	000	81.000	0.894	-90.000	0.170	0.172	0.000)
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		AN FA	MAX FAN		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	2294.	1.00	0.434	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	rg 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY			CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L8 E (M	I.ESE22) AP	т1	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)

		FLOOR		OUTSI	IDE C	OOLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX	Z Z	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	3844.9	7 .	0.0	000	51.000	0.847	-57.000	0.171	0.172	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	1768.	1.00	0.334	0.58		0.0 0.9	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		s	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)				KBTU/HR) MULT
Zn L8 W (M	1.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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLI		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)		HEATING CAPACITY KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUM SUPP-HEA (KBTU/HR	Г
PVVT	1.000	5631.6	11	. 0.0	000	72.000	0.834	1	-81.000	0.170	0.172	0.00	0
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS			ECH EFF	FA	an fa	MAX FAN N RATIC		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FR.	AC) (FRA	AC)	PLACEMEN	IT CONTRO	L (FRAC)	(FRAC)
SUPPLY	2744.	1.00	0.519	0.58		0.0 0	.50 0.	.00	DRAW-THE	RU CYCLIN	G 1.00	0.3	0
		q	UPPLY EX	KHAUST		MINIMU	M OUTS	TDE	COOLING	T.	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLO			CAPACITY	SENSIBLE		CAPACITY	RATE ZONE
NAME		((CFM)	(KW)	(FRAC			(KBTU/HR)		(KBTU/HR) ((KBTU/HR) MULT
Zn L8 N (M	I.NW24) APT	1	457.	56.	0.011	1.00	0	0.	0.00	0.00	9.47	0.00	-16.21 6.

REPORT- SV-A System Design Parameters for L8 Sys1 (PVVT) (M.NE25)

	-			-								
SYSTEM	ALTITUDE	FLOOR AREA	MAΣ	OUTSI		DOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUME	
TYPE	FACTOR	(SOFT)	PEOPLE			ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
		(~2 /				//	(===== /	(,	(===,===,	(===,===,	(,	
PVVT	1.000	4090.5	8.	0.0	00	36.000	0.845	-39.000	0.172	0.173	0.000)
		DIVIDDATEN	DOMED	F13.17	Oma	nta moma	T MEGU			MAY 531		,
		DIVERSITY	POWER	FAN	STA'					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	JRE EF	F EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	1176.	1.00	0.222	0.58		0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L8 N (M	1.NE25) APT	1	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)

							<i>.</i>					
		FLOOR		OUTS	IDE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	4268.2	8.	0.0	000	15.000	0.850	-51.000	0.172	0.172	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F	AN FA	N RATIO	RATIC)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	1473.	1.00	0.278	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L8 N (M	1.NW26) API	1:1	245.	43.	0.008	1.000	0.	0.00	0.00	5.25	0.00	-8.70 6

NAME

Zn L8 N (M.NE27) APT1

0.00 -10.52 6.

(KW) (FRAC) (CFM) (KBTU/HR) (FRAC) (KBTU/HR) (KBTU/HR) MULT

0.00 0.00 6.35

REPORT- SV-A S	System Design	Parameters	for	T.8	Svs1	(TV/V/T)	(M NE27)

(CFM)

(CFM)

297. 76. 0.015 1.000 0.

WEATHER FILE- SEATTLE BOEING FI WA ______ FLOOR OUTSIDE COOLING HEATING COOLING HEATING HEAT PUMP
AREA MAX AIR CAPACITY SENSIBLE CAPACITY EIR EIR SUPP-HEAT
(SQFT) PEOPLE RATIO (KBTU/HR) (SHR) (KBTU/HR) (BTU/BTU) (KBTU/HR) SYSTEM ALTITUDE AREA
TYPE FACTOR (SQFT) 1.000 7595.5 14. PVVT 0.000 66.000 0.900 -72.000 0.171 0.172 POWER FAN STATIC TOTAL MECH DEMAND DELTA-T PRESSURE EFF EFF FAN FAN MAX FAN MIN FAN DIVERSITY FAN CAPACITY FACTOR RATIO TYPE (CFM) (F) (IN-WATER) (FRAC) (FRAC) PLACEMENT CONTROL SUPPLY 1781. 1.00 0.337 0.58 0.0 0.50 0.00 DRAW-THRU CYCLING 1.00 0.30 MINIMUM OUTSIDE COOLING EXTRACTION HEATING ADDITION FLOW AIR FLOW CAPACITY SENSIBLE RATE CAPACITY RATE SUPPLY EXHAUST FAN FLOW FLOW RATE ZONE ALTITUDE AREA FACTOR (SQFT)

SYSTEM ALTITUDE

TYPE

REPORT- SV-A Syste	m Design Daramet	ers for I.8	Svel (DVA)	r) (M ESE28)

WEATHER FILE- SEATTLE BOEING FI WA REPORT SV-A System Design Parameters for 16 Syst (PVVI) (M.ESEZO) WEATHER FILE SEATILE BURING FI WA FLOOR OUTSIDE COOLING HEATING COOLING HEAT PUMP
AREA MAX AIR CAPACITY SENSIBLE CAPACITY EIR EIR SUPP-HEAT
(SQFT) PEOPLE RATIO (KBTU/HR) (SHR) (KBTU/HR) (BTU/BTU) (BTU/BTU) (KBTU/HR) 0 172 -36 000

PVVT	1.000	4077.3	8.	0.0	33.0	00	0.916	-36.000	0.172	0.173	0.000
EAN	GADAGITU.	DIVERSITY	POWER	FAN	STATIC	TOTAL	MECH	TAN.	TAN.	MAX FAN	MIN FAN
FAN TYPE	CAPACITY (CFM)	FACTOR (FRAC)	DEMAND (KW)	DELTA-T (F)	PRESSURE (IN-WATER)	EFF (FRAC)	EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	RATIO (FRAC)	RATIO (FRAC)
SUPPLY	819.	1.00	0.155	0.58	0.0	0.50	0.00	DRAW-THRU	CYCLING	1.00	0.30

	SUPPLY	EXHAUST		MINIMUM	OUTSIDE	COOLING	E	EXTRACTION	HEATING	ADDITION	
ZONE	FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZO	ONE
NAME	(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MU	JLT
75 IO F /M FCF20\ ADT1	127	41	0 000	1 000	0	0 00	0 00	2 02	0 00	4 94	6

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)

REPORT- SV			IOI		SI (PVVI)	(1.WSW3			WEAIH	EK FILE- SE	SAIILE BOE.	.NG FI WA
		FLOOR		OUTSI	DE COO	LING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	A	AIR CAPA	CITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBTU	/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	956.7	2.	0.0	000 18	.000	0.873	-18.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STATI	C TOTA	AL MECH	Ī		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSUR	E EF	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	564.	1.00	0.107	0.58	0.	0 0.5	0.00	DRAW-TH	RU CYCLIN	rg 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L14 W (T.WSW35) A	PT1	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)

		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM	>
SYSTEM	ALTITUDE	AREA	MAX		AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	2069.4	4.	0.0	000 2	24.000	0.876	-27.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	ric Tota	AL MECH	Į.		MAX FAN	N MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EI	FF EFF	F.	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	756.	1.00	0.143	0.58	(0.0 0.9	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L14 S (T.S36) APT	13	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)

	-			-								
SYSTEM	ALTITUDE	FLOOR AREA	MA:	OUTS		OOLING PACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPL			TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	1233.6	2	. 0.0	000	18.000	0.874	-21.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH]		MAX FAN	I MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	· F.	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	575.	1.00	0.109	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY E	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) MULT
Zn L14 E (T.ESE37) A	PT1	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLI		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUME SUPP-HEAT (KBTU/HR)	
PVVT	1.000	640.8	1.	0.0	000	9.000	0.846	-9.000	0.173	0.173	0.000	
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		AN FA	MAX FAN N RATIC		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	329.	1.00	0.062	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L14 W (T.W38) APT	1	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)

	-	_		-								
SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SOFT)	MAX PEOPLE		IR CA	OOLING PACITY S	SENSIBLE	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMI SUPP-HEAT	г
TIPE	FACTOR	(SQFI)	PEOPLE	KAI	AA) UL	10/HK)	(SHK)	(KBIU/HK)	(BIU/BIU)	(BIU/BIU)	(KBIU/HR)
PVVT	1.000	938.6	2.	0.0	00	12.000	0.822	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA					MAX FAI		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	' F.	AN FA	N RATIO	O RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	503.	1.00	0.095	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L14 N (T.NW39) AF	T1	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)

SYSTEM	ALTITUDE	FLOOR AREA	MA:	OUTS:		OOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPL	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	1
PVVT	1.000	681.8	1	. 0.0	000	6.000	0.844	-6.700	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	FIC TOTA	AL MECH			MAX FAN	I MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EI	F EFF	F	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	196.	1.00	0.037	0.58	(0.0 0.9	0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30)
		s	UPPLY E	XHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L14 N (T.NE40) AP	т1	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)

				-								
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX	. A	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	711.4	1.	0.0	000	6.000	0.817	-9.000	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STA	ric tota	AL MECH	I		MAX FAN	MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EI	FF EFF	F.	AN FA	N RATIC	RATIC	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	245.	1.00	0.046	0.58		0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		s	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L14 N ((T.NW41) AF	T1	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)

	-	_		-									
SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SOFT)	MAX PEOPLE		AIR CA	OOLING PACITY S	SENSIBLE	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMI SUPP-HEAT		
IIFE	FACTOR	(501)	PEOPLE	i KAI	.10 (15	10/nk)	(Ank)	(KBIU/HK)	(BIU/BIU)	(BIU/BIU)	(KBIU/HK		
PVVT	1.000	1265.9	2.	0.0	000	12.000	0.844	-15.000	0.173	0.173	0.000)	
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAI	N MIN FAI	1	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F	AN FA	N RATIO) RATIO)	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAG	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)	
SUPPLY	459.	1.00	0.087	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)	
		c	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING		XTRACTION	HEATING	ADDITION	
ZONE			FLOW E2	FLOW	FAN	FLOW	AIR FLOW			RATE	CAPACITY	RATE ZON	σr
NAME		(CFM)	(KW)	(FRAC)		(KBTU/HR)				KBTU/HR) MUI	
Zn L14 N (T.NE42) AF	T1	459.	76.	0.015	1.000	0.	0.00	0.00	9.62	0.00	-16.25 1	Ŀ.

REPORT- SV-A System Design Parameters for L14 Sys1 (PVVT) (T.ESE43)

	•	_		-								
SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTSI		DOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMP	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	679.6	1.	0.0	000	6.000	0.839	-9.000	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STA	ric tota	AL MECH	I		MAX FAN	MIN FAN	Ť
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EF	FF EFF	' F.	AN FA	N RATIC	RATIC	1
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	228.	1.00	0.043	0.58	(0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L14 E (T.ESE43) A	PT1	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)

REFORT BY	, H Dybeem	Debign rara					' 					
		FLOOR		OUTSI	DE CC	OLING		HEATING	COOLING	HEATING	HEAT PUME	,
SYSTEM	ALTITUDE	AREA	MAX	I P	AIR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	1
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1302.8	2.	0.0	000 2	1.000	0.877	-21.000	0.172	0.173	0.000	1
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE E	FF EFF	F.	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	615.	1.00	0.116	0.58	0	.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	1
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L15 S ((G.SW5) APT	1	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)

				-								
SYSTEM	ALTITUDE	FLOOR AREA	MA:	OUTS		OOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPL			ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	640.8	1	. 0.0	000	9.000	0.849	-9.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAN	I MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE EI	FF EFF	F	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	311.	1.00	0.059	0.58	(0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY E	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) 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)

	/	Debign rara		2		., (0.2,	,					
		FLOOR		OUTS	IDE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	?
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	937.6	2.	0.0	000	12.000	0.830	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	ric tot	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	470.	1.00	0.089	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L15 N (G.NW7) APT	1	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)

REPORT- SV	-A System	Design Parai	meters for	с шь зу	SI (PVV	r) (G.NE8				IEK FILE- S	EATTLE BOE	ING FI WA	·
SYSTEM	ALTITUDE	FLOOR AREA	MAΣ	OUTSI		OOLING PACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR			
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	IO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	543.9	5.	. 0.0	00 :	24.000	1.000	-27.000	0.173	0.173	0.00	0	
		DIVERSITY	POWER	FAN	STA	ric tot	'AL MECH	Ī		MAX FAI	N MIN FA	N	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	F/	AN FA	AN RATIO	O RATI	0	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	.C) (FRAC)	PLACEMEN	NT CONTRO	OL (FRAC) (FRAC)	
SUPPLY	202.	1.00	0.038	0.58	(0.0 0.	50 0.00	DRAW-THE	RU CYCLIN	IG 1.0	0.3	0	
		SI	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE	ZONE
NAME		((CFM) ((CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	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)

REFORT BY	n bybeem				DI (1 V V I	., (0.141)	, 					
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME	>
SYSTEM	ALTITUDE	AREA	MAX	. A	AIR CAE	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1484.8	15.	0.0	000 2	21.000	0.870	-24.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	658.	1.00	0.124	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L15 N (G.NE9) AMN	1	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)

REFORT BY	, H Dybeck				DI (1 V V I	, (G.DDE						
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME	,
SYSTEM	ALTITUDE	AREA	MAX	I P	AIR CAE	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBI	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1375.0	14.	0.0	000 4	18.000	1.000	-54.000	0.173	0.173	0.000	1
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	712.	1.00	0.135	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	1
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L15 S (G.SSE12) F	IT	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)

	/	Debign rara		2	~- (., (0.5.5	,					
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX	P	AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1361.3	3.	0.0	000	18.000	0.855	-21.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	ric tot	AL MECH	I		MAX FAN	N MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	' F.	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	590.	1.00	0.112	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L16 S (G.SW5) APT	1	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)

	-												
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	?	_
SYSTEM	ALTITUDE	AREA	MAX	P	IR CA	PACITY :	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA'	Γ	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	IO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	640.8	1.	0.0	00	9.000	0.864	-9.000	0.173	0.173	0.00)	
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAI	N MIN FAI	Ŋ	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	' F.	AN FA	N RATIO) RATIO)	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)	
SUPPLY	280.	1.00	0.053	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.3	0	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE Z	ONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) M	ULT
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)

	-	_		-								
SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SOFT)	MAX PEOPLE		IR CA	OOLING PACITY S	SENSIBLE	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMI SUPP-HEAT	r
IIPE	FACIOR	(SQFI)	PEOPLE	KAI	IO (KB	10/HK)	(SIR)	(KBIU/HK)	(BIU/BIU)	(BIU/BIU)	(KBIU/HK	1
PVVT	1.000	939.7	2.	0.0	00	12.000	0.840	-12.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA					MAX FAI		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	' F.	AN FA	N RATIO	O RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)) (FRAC)
SUPPLY	435.	1.00	0.082	0.58		0.0 0.9	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	Е	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L16 N (G.NW7) API	1	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)

	-	_					,						
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	 P	_
SYSTEM	ALTITUDE	AREA	MAX	. A	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA	Γ	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	676.2	1.	0.0	000	6.000	0.854	-6.700	0.173	0.173	0.00	0	
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAI	N MIN FA	N	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F.	AN FA	N RATIO) RATI)	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)	
SUPPLY	183.	1.00	0.035	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.3	0	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE Z	ONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) M	ULT
Zn L16 N (G.NE8) API	1:1	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)

		_		-								
		FLOOR		OUTS	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUMI	•
SYSTEM	ALTITUDE	AREA	MAX	I I	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	Γ
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1195.4	2.	0.0	000	12.000	0.841	-15.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAI	N MIN FAI	Ŋ
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	413.	1.00	0.078	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZON
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MUL
Zn L16 N ((G.NNE9) AF	PT1	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)

	/	Debign rara		2	01 (111)	, (0.012	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM)
SYSTEM	ALTITUDE	AREA	MAX	. A	AIR CAI	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	766.1	1.	0.0	000	9.000	0.905	-9.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOT.	AL MECH	I		MAX FAN	MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	242.	1.00	0.046	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L16 S (G.S12) APT	1:	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)

	/	Debign rara		2	~- (, (- ,					
		FLOOR		OUTS	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	I	AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	?
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	1
PVVT	1.000	898.6	2.	0.0	000	12.000	0.889	-12.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	' F.	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	1
SUPPLY	350.	1.00	0.066	0.58	(0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L16 S (G.SE13) AF	T1	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)

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		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	X I	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPL	E RAT	TIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	452.6	1	. 0.0	000	6.000	0.845	-6.700	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STA	ric tota	AL MECH	I		MAX FAN	I MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	JRE EI	FF EFF	' F	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	224.	1.00	0.042	0.58		0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY E	XHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		((CFM)	(KW)	(FRAC)	(CFM)			(KBTU/HR) (KBTU/HR) MULT
Zn L16 E ((G.ENE14) A	PT1	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)

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SYSTEM	ALTITUDE	FLOOR AREA	MAΣ	OUTSI		OOLING PACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	TIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	13613.1	26.	0.0	000 1	95.000	0.859	-219.000	0.166	0.169	0.000	
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FA	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC	(FRAC)
SUPPLY	6291.	1.00	1.189	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	rg 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L17 S (M.SW20) AP	T1	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)

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		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUMI	
SYSTEM	ALTITUDE	AREA	MAX	Δ	AIR CA	PACITY :	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	ľ
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	rio (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	6408.2	12	0.0	000	84.000	0.841	-96.000	0.170	0.171	0.000)
		DIVERSITY	POWER	FAN	STA'	ric Tota	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	JRE E	FF EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	3034.	1.00	0.573	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	· E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(KW)	(FRAC)	(CFM)					(KBTU/HR) MULT
Zn L17 W (M.W21) APT	1:1	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)

	_	_		-								
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	•
SYSTEM	ALTITUDE	AREA	MAX	. <i>I</i>	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA'	Г
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	9397.0	18.	0.0	000 1	26.000	0.836	-141.000	0.168	0.170	0.00	כ
		DIVERSITY	POWER	FAN	STA	TIC TOT	'AL MECI	I		MAX FAI	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EF	F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	4759.	1.00	0.900	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.3)
		s	UPPLY EX	HAUST		MINIMUM	I OUTSIDI	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLO	V CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L17 N (M.NW22) AF	T1	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)

	•	_										
SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTS		OOLING PACITY	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUM	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	6761.5	13	. 0.0	000	66.000	0.848	-72.000	0.171	0.172	0.00	0
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAN	N MIN FA	N
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F.	AN FA	N RATIC) RATI	0
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	2148.	1.00	0.406	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.3	0
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MULT
Zn L17 N (M.NE23) AP	т1	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)

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		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME)
SYSTEM	ALTITUDE	AREA	MAX	. A	AIR CAE	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBI	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	11953.6	22.	0.0	000 15	33.000	0.862	-171.000	0.167	0.170	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOT	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO	RATIC)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	5081.	1.00	0.960	0.58	C	0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L17 N ((M.NNE24) A	PT1	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)

SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTS		OOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLE			TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	7661.5	14.	. 0.0	000 8	31.000	0.870	-93.000	0.170	0.172	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH	Ī		MAX FAN	I MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	F EFF	F	AN FA	N RATIC) RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	2627.	1.00	0.497	0.58	(0.0	0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) MULT
Zn L17 S (M.S27) APT	1	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLI		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)		Г
PVVT	1.000	8986.5	17	. 0.0	000 1	26.000	0.885	-141.000	0.168	0.170	0.00)
FAN	CAPACITY	DIVERSITY FACTOR	POWER DEMAND	FAN DELTA-T	STA PRESS		AL MECH		AN FA	MAX FAI N RATIO		
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	3785.	1.00	0.715	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0 0.3)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE		~	FLOW	FLOW	FAN	FLOW				RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MULT
Zn L17 S (M.SE28) AP	Т1	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)

		_		-								
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	P
SYSTEM	ALTITUDE	AREA	MAX	Z P	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA	Γ
TYPE	FACTOR	(SQFT)	PEOPLE	E RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	4525.5	8.	0.0	000	72.000	0.855	-81.000	0.170	0.172	0.00	0
		DIVERSITY	POWER	FAN	STA	TIC TOT	AL MECH	I		MAX FAI	N MIN FA	N
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	F.	AN FA	N RATIO) RATI	0
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	2542.	1.00	0.480	0.58		0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.3	0
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZON
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MUL
Zn L17 E (M.ENE29) A	PT1	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	Svs1	(PVVT)	(T.SW35)

REPORT- SV	/-A System	Design Para	meters for	ьг/ Sy	SI (PVVI)	(T.SW3:				EK FILE- SE	ATTLE BOE.	.NG FI WA
		FLOOR		OUTSI	DE COO	LING		HEATING	COOLING	HEATING	HEAT PUM	
SYSTEM	ALTITUDE	AREA	MAX	A	IR CAPA	CITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	:
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	'IO (KBTU	/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	1361.3	3.	0.0	000 21	.000	0.872	-24.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STATI					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSUR	E El	FF EFF	r F.	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	654.	1.00	0.124	0.58	0.	0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L27 S (T.SW35) AF	T1	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)

SYSTEM	ALTITUDE	FLOOR AREA	MAX	OUTSI		OLING ACITY S	ENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUME SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	640.8	1	. 0.0	000	9.000	0.847	-9.000	0.173	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	IC TOTA	L MECH			MAX FAN	I MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EF	F EFF	' FA	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	325.	1.00	0.061	0.58	0	.0 0.5	0.00	DRAW-THI	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L27 W ((T.W36) APT	1:	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)

		FLOOR		OUTS		OOLING		HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX	Δ 2	AIR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLI	E RAT	rio (KB1	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	939.7	2	. 0.0	000 1	15.000	0.852	-15.000	0.173	0.173	0.000	1
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	F EFF	F	AN FAI	N RATIC) RATIC)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	515.	1.00	0.097	0.58	(0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	l
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L27 N (T.NW37) AP	Т1	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)

	_	_		-								
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUM	 P
SYSTEM	ALTITUDE	AREA	MAX	. P	AIR CA	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEA'	Γ
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	676.2	1.	0.0	000	6.000	0.844	-6.700	0.173	0.173	0.00	0
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH	I		MAX FAI	N MIN FA	N
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	URE E	FF EFF	' F.	AN FA	N RATIO) RATI)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC) (FRAC)
SUPPLY	197.	1.00	0.037	0.58		0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.3	0
		s	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZO
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR) MU
Zn L27 N (T.NE38) AF	T1	197.	41.	0.008	1.000	0.	0.00	0.00	4.22	0.00	-6.99

REPORT- SV-A System Design Parameters for L27 Sys1 (PVVT) (T.NNE39)

							,, 					
		FLOOR		OUTSI	IDE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME	,
SYSTEM	ALTITUDE	AREA	MAX	I I	AIR CAF	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	1
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	TIO (KBI	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1195.4	2.	0.0	000 1	12.000	0.835	-15.000	0.173	0.173	0.000	1
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	' F	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	433.	1.00	0.082	0.58	C	0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	1
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L27 N (T.NNE39) A	PT1	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)

	-	_		-								
		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUME)
SYSTEM	ALTITUDE	AREA	MAX		IR CAI	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	'IO (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	766.1	1.	0.0	00	9.000	0.876	-9.000	0.173	0.173	0.000	ı
		DIVERSITY	POWER	FAN	STA	ric tota	AL MECH	I		MAX FAN	MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EI	FF EFF	F.	AN FA	N RATIC	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	283.	1.00	0.054	0.58	(0.0 0.9	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	ı
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L27 S (T.S42) API	1:1	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)

	-	_										
SYSTEM	ALTITUDE	FLOOR AREA	MA	OUTS:		DOLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPL	E RA	rio (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	898.6	2	. 0.0	000	15.000	0.898	-15.000	0.173	0.173	0.000	
		DIVERSITY	POWER	FAN	STA	TIC TOTA	AL MECH			MAX FAN	MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	JRE E	FF EFF	F	AN FA	N RATIC) RATIO	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	422.	1.00	0.080	0.58		0.0 0.5	0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30)
		S	UPPLY E	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) MULT
Zn L27 S (T.SE43) AF	т1	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)

	=			-								
		FLOOR		OUTS		OOLING	ODMOTOL D	HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MA:				SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPL	E RAT	rio (KB	ru/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	452.6	1	. 0.0	000	9.000	0.874	-9.000	0.173	0.173	0.000	ı
		DIVERSITY	POWER	FAN	STA'	FIC TOTA	AL MECH	Į.		MAX FAN	I MIN FAI	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESS	JRE EI	FF EFF	F.	AN FA	N RATIC) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	285.	1.00	0.054	0.58		0.0 0.!	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30	1
		S	UPPLY E	XHAUST		MINIMUM	OUTSIDE	COOLING	· E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	KBTU/HR) MULT
Zn L27 E ((T.ENE44) A	PT1	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)

REFORT 5V	A System	Design rara	IOI		DI (FVVI	(G.5W5	, 		WEATH	EK FIDE SE	AIIDE BOEI	NG FI WA
		FLOOR		OUTSI	DE CC	OLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX		AIR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1879.8	4.	0.0	000 2	7.000	0.845	-33.000	0.172	0.173	0.000	
		DIVERSITY	POWER	FAN	STAT	'IC TOT	AL MECH	I		MAX FAN	MIN FAN	
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE E	FF EFF	F	AN FA	N RATIO	RATIC	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	962.	1.00	0.182	0.58	0	.0 0.5	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L28 S ((G.SW5) APT	1	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)

REFORT BY	, w paceu					(0.110)	' 					
		FLOOR		OUTSI	DE CC	OOLING		HEATING	COOLING	HEATING	HEAT PUMP	
SYSTEM	ALTITUDE	AREA	MAX	. A	IR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1544.3	3.	0.0	100 2	21.000	0.874	-21.000	0.172	0.173	0.000	
		DIVERSITY	POWER	FAN	STAT					MAX FAN		
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	F.	AN FA	N RATIO	RATIC	
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	668.	1.00	0.126	0.58	0	0.0 0.5	50 0.00	DRAW-TH	RU CYCLIN	G 1.00	0.30	
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
Zn L28 N ((G.NE6) APT	1	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)

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SOFT)	MA: PEOPLI		AIR CA	OOLING PACITY TU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUM SUPP-HEA' (KBTU/HR	г
PVVT	1.000	1601.0	3			24.000	0.869	-30.000	0.172	0.173	0.00	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STAT	JRE E	FF EFF	F.	AN FA NT CONTRO) RATIO)
SUPPLY	791.	1.00	0.150	0.58		0.0 0.						
ZONE NAME			FLOW	KHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)		CAPACITY	SENSIBLE	XTRACTION RATE (KBTU/HR) (HEATING CAPACITY KBTU/HR)	ADDITION RATE ZONE (KBTU/HR) MULT
Zn L28 S (G.SSE9) AF	T1	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)

	-			2								
		FLOOR		OUTSI	DE CO	OLING		HEATING	COOLING	HEATING	HEAT PUMI)
SYSTEM	ALTITUDE	AREA	MAX	I P	AIR CAE	ACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR	
PVVT	1.000	1631.5	3.	0.0	000 2	21.000	0.838	-24.000	0.172	0.173	0.000)
		DIVERSITY	POWER	FAN	STAT	CIC TOT.	AL MECH	I		MAX FAN	MIN FAI	I
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	FF EFF	' F	AN FA	N RATIO	RATIC)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC	
SUPPLY	772.	1.00	0.146	0.58	C	0.0 0.	50 0.00	DRAW-TH	RU CYCLIN	IG 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	· E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM)	(KW)	(FRAC)		(KBTU/HR)				KBTU/HR) MULT
Zn L28 N ((G.N10) APT	r1	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)

	,	Debign rara		2	(1, (0.5	,					
		FLOOR		OUTSI	DE C	OOLING		HEATING	COOLING	HEATING	HEAT PUME)
SYSTEM	ALTITUDE	AREA	MAX	P	AIR CA	PACITY	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	1
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1035.2	10.	0.0	000	30.000	0.869	-34.000	0.173	0.173	0.000	ı
		DIVERSITY	POWER	FAN	STA	TIC TOT.	AL MECH	I		MAX FAN	N MIN FAN	ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSI	URE E	FF EFF	' F.	AN FA	N RATIC) RATIC)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	ER) (FRA	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)	
SUPPLY	906.	1.00	0.171	0.58	(0.0 0.	50 0.00	DRAW-TH	RU CONSTAN	т 1.00	0.30	1
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	KBTU/HR) MULT
Zn L29 S (G.SW5) AMN	ı	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)

SYSTEM	ALTITUDE	FLOOR AREA	MAX		IR CAE		ENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	r
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	.10 (KB)	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	674.1	22.	0.1	.38 2	24.000	0.722	-27.000	0.173	0.173	0.00)
		DIVERSITY	POWER	FAN	STAT	TIC TOTA	L MECH	Į.		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE EF	F EFF	FA FA	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	(FRAC)	PLACEMEN	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	1226.	1.00	0.232	0.58	C	0.0	0.00	DRAW-TH	RU CONSTAN	т 1.00	0.3)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) 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)	PEO		AIR CA	OOLING PACITY TU/HR)	SENSII		HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	SUPP-HE	AΤ	
PVVT	1.000	2664.2		0. 0.	000 1	80.000	0.	740	-7.437	0.173	0.370	0.00	00	
FAN	CAPACITY	DIVERSITY FACTOR	POWE DEMAN	D DELTA-T	PRESS	URE I	EFF	MECH EFF	FA		MAX FA AN RATI	O RATI	10	
TYPE	(CFM)	(FRAC)	(KW) (F)	(IN-WAT	ER) (FRA	AC) (1	FRAC)	PLACEMEN	IT CONTRO	OL (FRAC	C) (FRAC	2)	
SUPPLY	4143.	1.00	0.71	5 0.53		0.0 0	.00	0.00	DRAW-THE	U CYCLII	NG 1.0	0.3	30	
		5	SUPPLY	EXHAUST		MINIMU	M OU'	rside	COOLING	Ι	EXTRACTION	HEATING	ADDITION	
ZONE			FLOW	FLOW	FAN	FLO		FLOW		SENSIBLE	RATE	CAPACITY		ZONE
NAME		•	(CFM)	(CFM)	(KW)	(FRAC) ((CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	MULT
Zn L5 C (G	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	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	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	3.N4) ELEC		160.	0.	0.000	1.000)	0.	0.00	0.00	4.25	0.00	-0.57	
Zn L8 N (M	1.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) ELE	С	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) ELE	C	166.	0.	0.000	1.000)	0.	0.00	0.00	4.40	0.00	-0.59	10.
Zn L27 N (T.N34) ELE	C	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.

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	. М.		AIR C	COOLING APACITY BTU/HR	Y SE	NSIBLE (SHR) (HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)		AT	
PTAC	1.000	128764.8		0.0	000	0.000)	0.000	0.000	0.166	0.000	0.00	00	
FAN	CAPACITY	DIVERSITY FACTOR		FAN DELTA-T	STA PRESS	ATIC SURE	TOTAL EFF	MECH EFF	F.F	AN F	MAX FA AN RATI			
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WAT	TER)	(FRAC)	(FRAC)	PLACEMEN	T CONTRO	OL (FRAC) (FRAC	2)	
SUPPLY	1754.	0.00	0.001	2.51		0.0	0.00	0.00	BLOW-THE	RU CYCLIN	NG 0.0	0 0.0	00	
				EXHAUST			IMUM	OUTSIDE	COOLING		EXTRACTION	HEATING	ADDITION	
ZONE NAME			FLOW (CFM)	FLOW (CFM)	FAN (KW)		FLOW .	AIR FLOW (CFM)	CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	RATE (KBTU/HR)	CAPACITY (KBTU/HR)	RATE (KBTU/HR)	ZONE
NAME			(CFM)	(CFM)	(KW)	(11)	KAC)	(CFM)	(KBIU/HK)	(FRAC)	(KBIU/HK)	(KBIU/HK)	(KBIU/HK)	MOLI
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		.000	0.	0.40	0.60	0.36	-0.65	-0.68	10.
Zn L27 C (10.	0.	0.008		.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			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L1 C (G			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
	B.WNW3) STR		37.	0.	0.030		.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.
E- D3 M (D	D MATERIAL COMM		32.	0.	0 006	1	000	0.	1 00	0.60	1 15	2.06	-2.06	1
Zn P3 W (B	BB.WNW2) STI	Κ.	10.	0.	0.026		.000	0.	1.28	0.60	1.15 0.36	-2.06 -0.65	-2.06	1. 1.
	B.WNW11) S	קיי	31.	0.	0.025		.000	0.	1.25	0.60	1.13	-2.02	-2.02	1.
Zn P2 C (U			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn P4 W (B			28.	0.	0.023		.000	0.	1.14	0.60	1.03	-1.84	-1.84	1.
Zn L2 C (G			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L2 C (G			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L3 C (G			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L3 C (G Zn L4 C (G			10. 10.	0. 0.	0.008		.000	0. 0.	0.40	0.60 0.60	0.36	-0.65 -0.65	-0.68 -0.68	1. 1.
ZII L4 C (G	.CI) SIR		10.	0.	0.008	1.	.000	0.	0.40	0.60	0.36	-0.65	-0.00	Τ.
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) CTD		10.	0.	0.008	1	.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L7 C (G			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.
Zn L8 C (M			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	6.
Zn L8 C (M			10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	6.
Zn L14 C (10.	0.	0.008		.000	0.	0.40	0.60	0.36	-0.65	-0.68	1.

REPORT- SV-A System Design Pa	rameters for	Free	ze Protect				WEATHER	FILE- SEA	TTLE BOEIN		
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 Pl 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.
	0.	0.			0.				0.00		
Zn L1 S (G.S11) PKG			0.000	0.000		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	1.
						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	Τ.

REPORT- SV-A System Design Parameters for SYS11 RTL DOAS

	=	_										
QVQMDM	3. m.	FLOOR	MAN	OUTSI		OLING	IDNOTES E	HEATING	COOLING	HEATING	HEAT PUME	
SYSTEM	ALTITUDE	AREA	MAX	A	IR CAP	ACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	'IO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)	
PVVT	1.000	1.0	0.	1.0	00 9	1.866	0.601	-100.210	0.241	0.221	0.000)
		DIVERSITY	POWER	FAN	STAT	IC TOTA	AL MECH			MAX FAN	MIN FAN	Ī
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EI	F EFF	F	AN FA	N RATIO	RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	C) (FRAC)	PLACEMEI	NT CONTRO	L (FRAC)	(FRAC)	
	(0111)	(11410)	(2017)	(2)	(111 /////	11) (1141)	, (11410)	1 11011111		_ (11010)	(11410)	
SUPPLY	1922.	1.00	1.559	2.51	0	.0 0.0	0.00	DRAW-THI	RU CONSTAN	T 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR) (KBTU/HR) MULT
RTL DOAS D	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

SYSTEM	ALTITUDE	FLOOR AREA	MAΣ	OUTSI		OLING PACITY S	SENSIBLE	HEATING CAPACITY	COOLING EIR	HEATING EIR	HEAT PUMI	
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	CIO (KBT	U/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1.0	0.	1.0	000 6	8.463	0.601	-74.813	0.243	0.222	0.000)
		DIVERSITY	POWER	FAN	STAT	'IC TOTA	L MECH			MAX FAN	MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	RE EF	F EFF	F/	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	R) (FRAC	(FRAC)	PLACEMEN	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	1432.	1.00	1.162	2.51	0	.0 0.0	0.00	DRAW-THE	RU CONSTAN	т 1.00	0.30)
		S	UPPLY EX	KHAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZONE
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) (KBTU/HR)	(KBTU/HR) 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

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		FLOOR		OUTSI	DE CO	OOLING		HEATING	COOLING	HEATING	HEAT PUMI	· · · · · · · · · · · · · · · · · · ·
SYSTEM	ALTITUDE	AREA	MAX	A	IR CAL	PACITY S	SENSIBLE	CAPACITY	EIR	EIR	SUPP-HEAT	ľ
TYPE	FACTOR	(SQFT)	PEOPLE	RAT	'IO (KB	TU/HR)	(SHR)	(KBTU/HR)	(BTU/BTU)	(BTU/BTU)	(KBTU/HR)
PVVT	1.000	1.0	0.	1.0	100 4	13.021	0.601	-46.611	0.200	0.184	0.000)
		DIVERSITY	POWER	FAN	STAT	TIC TOT	AL MECH	I		MAX FAN	N MIN FAI	1
FAN	CAPACITY	FACTOR	DEMAND	DELTA-T	PRESSU	JRE E	F EFF	F	AN FA	N RATIO) RATIO)
TYPE	(CFM)	(FRAC)	(KW)	(F)	(IN-WATE	ER) (FRAC	C) (FRAC)	PLACEME	NT CONTRO	L (FRAC)	(FRAC)
SUPPLY	900.	1.00	1.041	3.58	(0.0	0.00	DRAW-TH	RU CONSTAN	T 1.00	0.30)
		S	UPPLY EX	HAUST		MINIMUM	OUTSIDE	COOLING	E	XTRACTION	HEATING	ADDITION
ZONE			FLOW	FLOW	FAN	FLOW	AIR FLOW	CAPACITY	SENSIBLE	RATE	CAPACITY	RATE ZON
NAME		(CFM) (CFM)	(KW)	(FRAC)	(CFM)	(KBTU/HR)	(FRAC)	(KBTU/HR) ((KBTU/HR)	(KBTU/HR) MUL
L15 ERV DUMMY ZN			900.	0.	0.000	1.000	900.	0.00	0.00	9.72	0.00	-38.88 1