Office + Heat +Light
2+2=4 8

Office	4 Btu/h Ft2			120000				
Merc	6 Btu/h Ft2							
Apart	1650 Btu/h Ft2							
		Btu/h Ft	W/M/k	SHGC	VT	LSG	FHR	E.15
	Single-Glazed (Clear)	1.3						
	Double-Glazed (Clear)	0.64			0.65	0.62		

Appendix F.3
Appendix E window

			Jan.	Feb.	Mar.	April	May	June	July	Aug	Sep	Oct	Nov	Dec
q = u a T	u (Closed)	0.01666666												
	u (Open)	0.2												
	a	51240												
	T High		29	33.5	45.8	58.6	70.1	79.6	83.7	81.8	74.8	63.3	48.4	34
	T Low		12.9	17.2	28.5	38.6	47.7	57.5	62.6	61.6	53.9	42.2	31.6	19.1
	T Ave.		21	25.4	37.2	48.6	58.9	68.6	73.2	71.7	64.4	52.8	40	26.6
	T (w)	65												
	T (s)	75												

		Jan.	Feb.	Mar.	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Extreme	Q= U A T ((Closed))	44493.3822	40821.18367	31170.98753	22545.591	14774.19	6404.997438	7429.797028	5807.197677	9479.396208	19471.19221	28523.589	39198.5843
	Solar Radiation												
	Office Heat	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000
Total Required BTU's		-75506.6178	-79178.81633	-88829.01247	-97454.409	-105226	-113595.0026	-112570.203	-114192.8023	-110520.6038	-100528.8078	-91476.411	-80801.416
Extreme	Q= U A T ((Open))	533920.8	489854.4	284894.4	270547.2	177290.4	47140.8	89157.6	69686.4	113752.8	233654.4	342283.2	470383.2
	Solar Radiation												
	Office Heat	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000	120000
Total Required BTU's		413920.8	369854.4	164894.4	150547.2	57290.4	-72859.2	-30842.4	-50313.6	-6247.2	113654.4	222283.2	350383.2

Average Q= U A T ((Open))

Façade SF

	East	West	South	North	Total	Roof
Res SF	7128	7128	0	12960	27216	48600
Ret SF	7158	7158	3180	1680	19176	0
Office SF	22464	22464	11520	0	56448	224640

Q= U A T ((Closed))
Res SF

Bought For Price (Indu
360000
20520000

Gross SF
Res SF
Ret SF
Office SF
Skin
Closed
Open
Occupant l
Res
Ret
Office
Formulas
Q... = (UA
Q... = (UA

327871.872
534005.856

	Jan. 8:00AM	Jan. 9:00AM	Jan. 12:00PM	Jan. 3:00PM	Jan. 6:00PM	Jan 9:00PM
Internal Temp	72	72	72	72	67	67
Exterior Temp	21	21	21	29	21	12.9
Solar Gain S (SF)	580	1600	2600	1600	0	0
Solar Gain E (SF)	760	1400	240	110	0	0
Solar Gain W (SF)	5	110	240	1400	0	0
Total Solar Gain (Res)	**5452920**	**10763280**	**3421440**	**10763280**	**0**	**0**
Total Solar Gain (Ret)	**6557165**	**13769510**	**9756480**	**5771510**	**0**	**0**
Total Solar Gain (Off)	**23754245**	**49881710**	**35343600**	**20904440**	**0**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	98508.96	157638.96	157638.96	132911.28	138899.16	160650.936
Open BTU	-5160088.8	-10411318.8	-3069478.8	-10466528.4	314170.2	366784.92
Fully Vented BTU	1403244	1462374	1462374	1232982	1315719	1544693.4
Retail						
Closed BTU	58678.56	-615241.44	-615241.44	-624445.92	-733314.24	-723994.7
Open BTU	-6361569.8	-14247834.8	-10234804.8	-6280516.4	-609820.8	-578755.68
Fully Vented BTU	918846	977976	977976	824568	878811	1030851.6
Commercial						
Closed BTU	157638.96	-224249.04	-606137.04	-630864.72	-464343.84	167220.936
Open BTU	-23596606.04	-50105959.04	-35949737.04	-21535304.72	-464343.84	167220.936
Fully Vented BTU	98508.96	157638.96	157638.96	132911.28	138899.16	160650.936
Total	**0**	**0**	**0**	**0**	**0**	**0**

	Jan. 8:00AM	Jan. 9:00AM	Jan. 12:00PM	Jan. 3:00PM	Jan. 6:00PM	Jan 9:00PM
Total Solar Gain						
BTU's	35764330	74414500	48521520	37439230	0	0
Total Head Load						
Closed BTU	314826.48	-681851.52	-1063739.52	-1122399.36	-1058758.9	-396122.83
Open BTU	-35118264.64	-74765112.64	-49254020.64	-38282349.52	-759994.44	-44749.824
Fully Vented BTU	2420598.96	2597988.96	2597988.96	2190461.28	2333429.2	2736195.94

	Feb. 8:00AM	Feb. 9:00AM	Feb. 12:00PM	Feb. 3:00PM	Feb. 6:00PM	Feb. 9:00PM
Internal Temp	72	72	72	72	67	67
Exterior Temp	25.4	25.4	25.4	32.5	25.4	17.2
Solar Gain S (SF)	890	1,600	2,500	1,600	0	0
Solar Gain E (SF)	1,500	1,800	290	160	0	0
Solar Gain W (SF)	91	160	290	1,800	10	0
Total Solar Gain (Res)	**11340648**	**13970880**	**4134240**	**13970880**	**71280**	**0**
Total Solar Gain (Ret)	**12131791**	**16249960**	**9748580**	**6081960**	**10**	**0**
Total Solar Gain (Off)	**43948891**	**58867360**	**35314850**	**22028040**	**10**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	84908.736	144038.736	144038.736	122092.92	125298.936	147359.808
Open BTU	-11078182.08	-13649284.08	-3812644.08	-13698282.6	212524.92	337109.76
Fully Vented BTU	1277078.4	1336208.4	1336208.4	1132623	1189553.4	1421395.2
Retail						
Closed BTU	53616.096	-620303.904	-620303.904	-628472.88	-738376.704	-728942.11
Open BTU	-11953070.68	-16745159.68	-10243779.68	-6604389.6	-626705.68	-595247.04
Fully Vented BTU	834471.6	893601.6	893601.6	757452	794436.6	948394.8
Commercial						
Closed BTU	144038.736	-237849.264	-619737.264	-641683.08	-477944.064	153929.808
Open BTU	-43804852.26	-59105209.26	-35934587.26	-22669723.08	-477954.064	153929.808
Fully Vented BTU	84908.736	144038.736	144038.736	122092.92	125298.936	147359.808
Total	**0**	**0**	**0**	**0**	**0**	**0**

	Feb. 8:00AM	Feb. 9:00AM	Feb. 12:00PM	Feb. 3:00PM	Feb. 6:00PM	Feb. 9:00PM
Total Solar Gain						
BTU's	67421330	89088200	49197670	42080880	71300	0
Total Head Load						
Closed BTU	282563.568	-714114.432	-1096002.432	-1148063.04	-1091021.8	-427652.5
Open BTU	-66836105.02	-89499653.02	-49991011.02	-42972395.28	-892134.82	-104207.47
Fully Vented BTU	2196458.736	2373848.736	2373848.736	2012167.92	2109288.9	2517149.81

	Mar. 8:00AM	Mar. 9:00AM	Mar. 12:00PM	Mar. 3:00PM	Mar. 6:00PM	Mar. 9:00PM
Internal Temp	72	72	72	72	67	67
Exterior Temp	37.2	37.2	37.2	45.8	37.2	28.5
Solar Gain S (SF)	970	1,700	2,600	1,700	7	0
Solar Gain E (SF)	2,400	2,300	410	250	4	0
Solar Gain W (SF)	180	250	410	2,300	100	0
Total Solar Gain (Res)	**18390240**	**18176400**	**5844960**	**18176400**	**741312**	**0**
Total Solar Gain (Ret)	**17967180**	**19668550**	**10810820**	**6958550**	**47164**	**0**
Total Solar Gain (Off)	**65088180**	**71251450**	**39162650**	**25202300**	**170596**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	48435.408	107565.408	107565.408	80983.152	88825.608	112431.96
Open BTU	-18209208.24	-17936238.24	-5604798.24	-17995588.56	-538941.24	259126.2
Fully Vented BTU	938725.2	997855.2	997855.2	751258.8	851200.2	1097379
Retail						
Closed BTU	40039.488	-633880.512	-633880.512	-643775.328	-751953.312	-741943.44
Open BTU	-17833715.04	-20209005.04	-11351275.04	-7531987.76	-719115.04	-638584.8
Fully Vented BTU	608194.8	667324.8	667324.8	502411.2	568159.8	731706
Commercial						
Closed BTU	107565.408	-274322.592	-656210.592	-682792.848	-514417.392	119001.96
Open BTU	-64980614.59	-71525772.59	-39818860.59	-25885092.85	-685013.392	119001.96
Fully Vented BTU	48435.408	107565.408	107565.408	80983.152	88825.608	112431.96
Total	**0**	**0**	**0**	**0**	**0**	**0**

	Mar. 8:00AM	Mar. 9:00AM	Mar. 12:00PM	Mar. 3:00PM	Mar. 6:00PM	Mar. 9:00PM
Total Solar Gain						
BTU's	101445600	109096400	55818430	50337250	959072	0
Total Head Load						
Closed BTU	196040.304	-800637.696	-1182525.696	-1245585.024	-1177545.1	-510509.52
Open BTU	-101023537.9	-109671015.9	-56774933.87	-51412669.17	-1943069.7	-260456.64
Fully Vented BTU	1595355.408	1772745.408	1772745.408	1334653.152	1508185.6	1941516.96

	Apr. 8:00AM	Apr. 9:00AM	Apr. 12:00PM	Apr. 3:00PM	Apr. 6:00PM	Apr. 9:00PM
Internal Temp	72	72	72	72	70	67
Exterior Temp	48.6	48.6	48.6	58.6	48.6	38.6
Solar Gain S (SF)	590	1,100	1,900	1,100	50	0
Solar Gain E (SF)	2,400	2,200	460	310	46	0
Solar Gain W (SF)	240	310	460	2,200	770	0
Total Solar Gain (Res)	**18817920**	**17891280**	**6557760**	**17891280**	**5816448**	**0**
Total Solar Gain (Ret)	**16758840**	**17140510**	**8894920**	**5422510**	**445016**	**0**
Total Solar Gain (Off)	**60710640**	**62093110**	**32221900**	**19638040**	**1610114**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	13198.464	72328.464	72328.464	41418.864	62861.544	81213.264
Open BTU	-18715561.92	-17729791.92	-6396271.92	-17798803.92	-5672047.32	189424.08
Fully Vented BTU	611841.6	670971.6	670971.6	384231.6	610338.6	807771.6
Retail						
Closed BTU	26923.104	-646996.896	-646996.896	-658502.496	-761618.016	-753564.1
Open BTU	-16669096.32	-17724686.32	-9479096.32	-6045038.32	-1149182.72	-677320.32
Fully Vented BTU	389588.4	448718.4	448718.4	256958.4	407081.4	538028.4
Commercial						
Closed BTU	72328.464	-309559.536	-691447.536	-722357.136	-540381.456	87783.264
Open BTU	-60638311.54	-62402669.54	-32913347.54	-20360397.14	-2150495.456	87783.264
Fully Vented BTU	13198.464	72328.464	72328.464	41418.864	62861.544	81213.264
Total	**0**	**0**	**0**	**0**	**0**	**0**

	Apr. 8:00AM	Apr. 9:00AM	Apr. 12:00PM	Apr. 3:00PM	Apr. 6:00PM	Apr. 9:00PM
Total Solar Gain						
BTU's	96287400	97124900	47674580	42951830	7871578	0
Total Head Load						
Closed BTU	112450.032	-884227.968	-1266115.968	-1339440.768	-1239137.9	-584567.57
Open BTU	-96022969.78	-97857147.78	-48788715.78	-44204239.38	-8971725.5	-400112.98
Fully Vented BTU	1014628.464	1192018.464	1192018.464	682608.864	1080281.5	1427013.26

	May 8:00AM	May 9:00AM	May 12:00PM	May 3:00PM	May 6:00PM	May 9:00PM
Internal Temp	72	72	72	72	67	60
Exterior Temp	58.9	58.9	58.9	70.1	58.9	47.7
Solar Gain S (SF)	480	890	1,800	890	140	0
Solar Gain E (SF)	2,900	2,700	610	430	140	0
Solar Gain W (SF)	360	430	610	2,700	1,800	0
Total Solar Gain (Res)	**23237280**	**22310640**	**8696160**	**22310640**	**13828320**	**0**
Total Solar Gain (Ret)	**19509660**	**19573330**	**9507220**	**5499330**	**1315140**	**0**
Total Solar Gain (Off)	**70675560**	**70906030**	**34439650**	**19915020**	**4759560**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	-18638.424	40491.576	40491.576	5872.824	21751.776	31448.808
Open BTU	-23206004.28	-22220234.28	-8605754.28	-22297527.72	-13775705.28	78314.76
Fully Vented BTU	316499.4	375629.4	375629.4	54480.6	228974.4	346120.2
Retail						
Closed BTU	15072.336	-658847.664	-658847.664	-671733.936	-776920.464	-772088.11
Open BTU	-19459418.88	-20197008.88	-10130898.88	-6165963.12	-2070314.88	-739067.04
Fully Vented BTU	192075.6	251205.6	251205.6	36434.4	152040.6	229294.8
Commercial						
Closed BTU	40491.576	-341396.424	-723284.424	-757903.176	-581491.224	38018.808
Open BTU	-70635068.42	-71247426.42	-35162934.42	-20672923.18	-5341051.224	38018.808
Fully Vented BTU	-18638.424	40491.576	40491.576	5872.824	21751.776	31448.808
Total	**0**	**0**	**0**	**0**	**0**	**0**

	May 8:00AM	May 9:00AM	May 12:00PM	May 3:00PM	May 6:00PM	May 9:00PM
Total Solar Gain						
BTU's	113422500	112790000	52643030	47724990	19903020	0
Total Head Load						
Closed BTU	36925.488	-959752.512	-1341640.512	-1423764.288	-1336659.9	-702620.5
Open BTU	-113300491.6	-113664669.6	-53899587.58	-49136414.02	-21187071	-622733.47
Fully Vented BTU	489936.576	667326.576	667326.576	96787.824	402766.78	606863.808

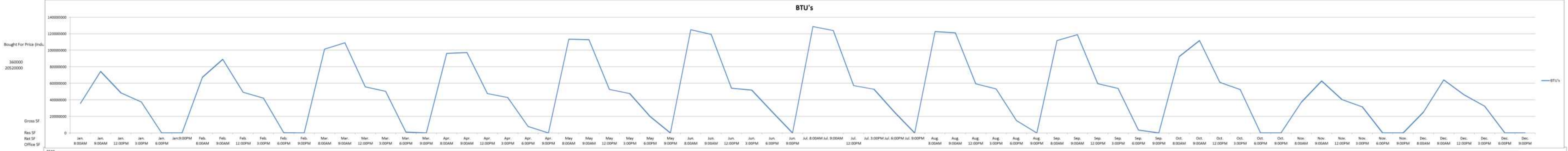
	Jun. 8:00AM	Jun. 9:00AM	Jun. 12:00PM	Jun. 3:00PM	Jun. 6:00PM	Jun. 9:00PM
Internal Temp	72	72	72	75	70	60
Exterior Temp	68.6	68.6	68.6	79.6	68.6	57.5
Solar Gain S (SF)	500	800	1,600	800	190	0
Solar Gain E (SF)	3,200	2,900	710	520	200	0
Solar Gain W (SF)	430	520	720	3,000	2,200	0
Total Solar Gain (Res)	**25874640**	**24377760**	**10193040**	**25090560**	**17107200**	**0**
Total Solar Gain (Ret)	**21433630**	**20527420**	**9491430**	**5771520**	**1846600**	**0**
Total Solar Gain (Off)	**77645230**	**74362120**	**34382160**	**20900280**	**6683800**	**0**
Office Gain	0	381888	763776	763776	606528	0
Retail Gain	0	673920	673920	673920	786240	786240
Residential Gain	59130	0	0	0	3285	6570
Residential						
Closed BTU	-48620.736	10509.264	10509.264	-14218.416	1042.344	1157.4
Open BTU	-25910305.92	-24354295.92	-10169575.92	-25122305.52	-17100823.32	10683
Fully Vented BTU	38361.6	97491.6	97491.6	-131900.4	36858.6	65115
Retail						
Closed BTU	3911.904	-670008.096	-670008.096	-679212.576	-784629.216	-783363.6
Open BTU	-21420590.32	-21188300.32	-10152310.32	-6463081.92	-2627470.72	-776652
Fully Vented BTU	6068.4	65198.4	65198.4	-88209.6	23561.4	41370
Commercial						
Closed BTU	10509.264	-371378.736	-753266.736	-777994.416	-602200.656	7727.4
Open BTU	-77634720.74	-74733498.74	-35135426.74	-21678274.42	-7286000.656	7727.4
Fully Vented BTU	-48620.736	10509.264	10509.264	-14218.416	1042.344	1157.4
Total	**0**	**0**	**0**	**-1471425.408**	**0**	**0**

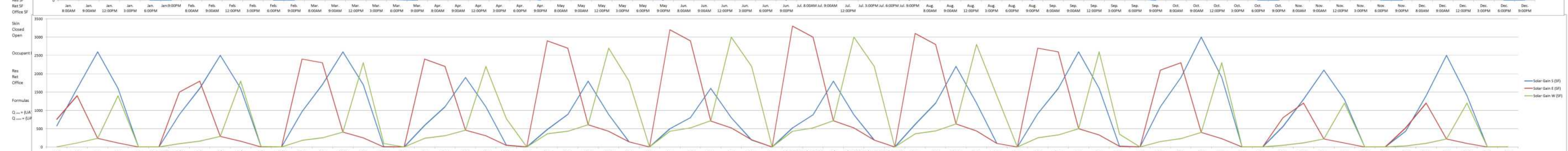
1.5 million cooling
54 million cooling

350k heating
550K Heating

	Jun. 8:00AM	Jun. 9:00AM	Jun. 12:00PM	Jun. 3:00PM	Jun. 6:00PM	Jun. 9:00PM
Total Solar Gain						
BTU's	124953500	119267300	54066630	51762360	25637600	0
Total Head Load						
Closed BTU	-34199.568	-1030877.568	-1412765.568	-1471425.408	-1385787.5	-774478.8
Open BTU	-124965617	-120276095	-55457312.98	-53263661.86	-27014295	-758241.6
Fully Vented BTU	-4190.736	173199.264	173199.264	-234328.416	61462.344	107642.4

	Jul. 8:00AM	Jul. 9:00AM	Jul. 12:00PM	Jul. 3:00PM	Jul. 6:00PM	Jul. 9:00PM
Internal Temp	75	75	75	75	75	65
Exterior Temp	73.2	73.2	73.2	83.7	73.2	62.6





	Jan. 8:00AM	Jan. 9:00AM	Jan. 12:00PM	Jan. 3:00PM	Jan. 6:00PM	Jan 9:00PM
Solar Gain S (SF)	580	1600	2600	1600	0	0
Solar Gain E (SF)	760	1400	240	110	0	0
Solar Gain W (SF)	5	110	240	1400	0	0
Component Gain						
Closed BTU	98508.96	157639	157639	132911.3	138899.2	160650.9
Open BTU	-5160089	-1E+07	-3069479	-1E+07	314170.2	366784.9
Fully Vented BTU	1403244	1462374	1462374	1232982	1315719	1544693
Closed BTU	58678.56	-615241	-615241	-624446	-733314	-723995
Open BTU	-6361570	-1.4E+07	-1E+07	-6280516	-609821	-578756
Fully Vented BTU	918846	977976	977976	824568	878811	1030852
Closed BTU	157638.96	-224249	-606137	-630865	-464344	167220.9
Open BTU	-23596606	-5E+07	-3.6E+07	-2.2E+07	-464344	167220.9
Fully Vented BTU	98508.96	157639	157639	132911.3	138899.2	160650.9
BTU's	35764330	74414500	48521520	37439230	0	0
Closed BTU	314826.48	-681852	-1063740	-1122399	-1058759	-396123
Open BTU	-35118265	-7.5E+07	-4.9E+07	-3.8E+07	-759994	-44749.8
Fully Vented BTU	2420599	2597989	2597989	2190461	2333429	2736196
Internal Temp	72	72	72	72	67	67
Exterior Temp	21	21	21	29	21	12.9

	Feb. 8:00AM	Feb. 9:00AM	Feb. 12:00PM	Feb. 3:00PM	Feb. 6:00PM	Feb. 9:00PM
Solar Gain S (SF)	890	1600	2500	1600	0	0
Solar Gain E (SF)	1500	1800	290	160	0	0
Solar Gain W (SF)	91	160	290	1800	10	0
Closed BTU	84908.74	144038.7	144038.7	122092.9	125298.9	147359.8
Open BTU	-1.1E+07	-1.4E+07	-3812644	-1.4E+07	212524.9	337109.8
Fully Vented BTU	1277078	1336208	1336208	1132623	1189553	1421395
Closed BTU	53616.1	-620304	-620304	-628473	-738377	-728942
Open BTU	-1.2E+07	-1.7E+07	-1E+07	-6604390	-626706	-595247
Fully Vented BTU	834471.6	893601.6	893601.6	757452	794436.6	948394.8
Closed BTU	144038.7	-237849	-619737	-641683	-477944	153929.8
Open BTU	-4.4E+07	-5.9E+07	-3.6E+07	-2.3E+07	-477954	153929.8
Fully Vented BTU	84908.74	144038.7	144038.7	122092.9	125298.9	147359.8
BTU's	67421330	89088200	49197670	42080880	71300	0
Closed BTU	282563.6	-714114	-1096002	-1148063	-1091022	-427652
Open BTU	-6.7E+07	-8.9E+07	-5E+07	-4.3E+07	-892135	-104207
Fully Vented BTU	2196459	2373849	2373849	2012168	2109289	2517150
Internal Temp	72	72	72	72	67	67
Exterior Temp	25.4	25.4	25.4	32.5	25.4	17.2

	Mar. 8:00AM	Mar. 9:00AM	Mar. 12:00PM	Mar. 3:00PM	Mar. 6:00PM	Mar. 9:00PM
Solar Gain S (SF)	970	1700	2600	1700	7	0
Solar Gain E (SF)	2400	2300	410	250	4	0
Solar Gain W (SF)	180	250	410	2300	100	0
Closed BTU	48435.41	107565.4	107565.4	80983.15	88825.61	112432
Open BTU	-1.8E+07	-1.8E+07	-5604798	-1.8E+07	-538941	259126.2
Fully Vented BTU	938725.2	997855.2	997855.2	751258.8	851200.2	1097379
Closed BTU	40039.49	-633881	-633881	-643775	-751953	-741943
Open BTU	-1.8E+07	-2E+07	-1.1E+07	-7531988	-719115	-638585
Fully Vented BTU	608194.8	667324.8	667324.8	502411.2	568159.8	731706
Closed BTU	107565.4	-274323	-656211	-682793	-514417	119002
Open BTU	-6.5E+07	-7.2E+07	-4E+07	-2.6E+07	-685013	119002
Fully Vented BTU	48435.41	107565.4	107565.4	80983.15	88825.61	112432
BTU's	1.01E+08	1.09E+08	55818430	50337250	959072	0
Closed BTU	196040.3	-800638	-1182526	-1245585	-1177545	-510510
Open BTU	-1E+08	-1.1E+08	-5.7E+07	-5.1E+07	-1943070	-260457
Fully Vented BTU	1595355	1772745	1772745	1334653	1508186	1941517
Internal Temp	72	72	72	72	67	67
Exterior Temp	37.2	37.2	37.2	45.8	37.2	28.5

	Apr. 8:00AM	Apr. 9:00AM	Apr. 12:00PM	Apr. 3:00PM	Apr. 6:00PM	Apr. 9:00PM
Solar Gain S (SF)	590	1100	1900	1100	50	0
Solar Gain E (SF)	2400	2200	460	310	46	0
Solar Gain W (SF)	240	310	460	2200	770	0
Closed BTU	13198.46	72328.46	72328.46	41418.86	62861.54	81213.26
Open BTU	-1.9E+07	-1.8E+07	-6396272	-1.8E+07	-5672047	189424.1
Fully Vented BTU	611841.6	670971.6	670971.6	384231.6	610338.6	807771.6
Closed BTU	26923.1	-646997	-646997	-658502	-761618	-753564
Open BTU	-1.7E+07	-1.8E+07	-9479096	-6045038	-1149183	-677320
Fully Vented BTU	389588.4	448718.4	448718.4	256958.4	407081.4	538028.4
Closed BTU	72328.46	-309560	-691448	-722357	-540381	87783.26
Open BTU	-6.1E+07	-6.2E+07	-3.3E+07	-2E+07	-2150495	87783.26
Fully Vented BTU	13198.46	72328.46	72328.46	41418.86	62861.54	81213.26
BTU's	96287400	97124900	47674580	42951830	7871578	0
Closed BTU	112450	-884228	-1266116	-1339441	-1239138	-584568
Open BTU	-9.6E+07	-9.8E+07	-4.9E+07	-4.4E+07	-8971725	-400113
Fully Vented BTU	1014628	1192018	1192018	682608.9	1080282	1427013
Internal Temp	72	72	72	72	70	67
Exterior Temp	48.6	48.6	48.6	58.6	48.6	38.6

	May 8:00AM	May 9:00AM	May 12:00PM	May 3:00PM	May 6:00PM	May 9:00PM
Solar Gain S (SF)	480	890	1800	890	140	0
Solar Gain E (SF)	2900	2700	610	430	140	0
Solar Gain W (SF)	360	430	610	2700	1800	0
Closed BTU	-18638.4	40491.58	40491.58	5872.824	21751.78	31448.81
Open BTU	-2.3E+07	-2.2E+07	-8605754	-2.2E+07	-1.4E+07	78314.76
Fully Vented BTU	316499.4	375629.4	375629.4	54480.6	228974.4	346120.2
Closed BTU	15072.34	-658848	-658848	-671734	-776920	-772088
Open BTU	-1.9E+07	-2E+07	-1E+07	-6165963	-2070315	-739067
Fully Vented BTU	192075.6	251205.6	251205.6	36434.4	152040.6	229294.8
Closed BTU	40491.58	-341396	-723284	-757903	-581491	38018.81
Open BTU	-7.1E+07	-7.1E+07	-3.5E+07	-2.1E+07	-5341051	38018.81
Fully Vented BTU	-18638.4	40491.58	40491.58	5872.824	21751.78	31448.81
BTU's	1.13E+08	1.13E+08	52643030	47724990	19903020	0
Closed BTU	36925.49	-959753	-1341641	-1423764	-1336660	-702620
Open BTU	-1.1E+08	-1.1E+08	-5.4E+07	-4.9E+07	-2.1E+07	-622733
Fully Vented BTU	489936.6	667326.6	667326.6	96787.82	402766.8	606863.8
Internal Temp	72	72	72	72	67	60
Exterior Temp	58.9	58.9	58.9	70.1	58.9	47.7

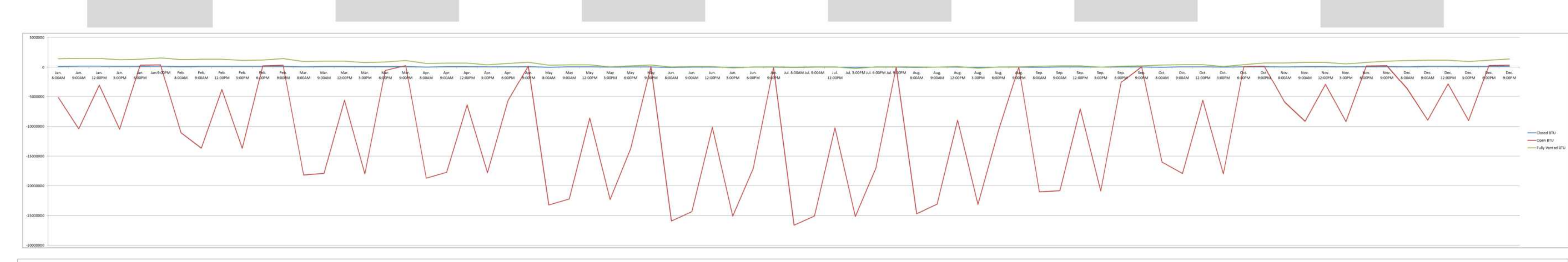
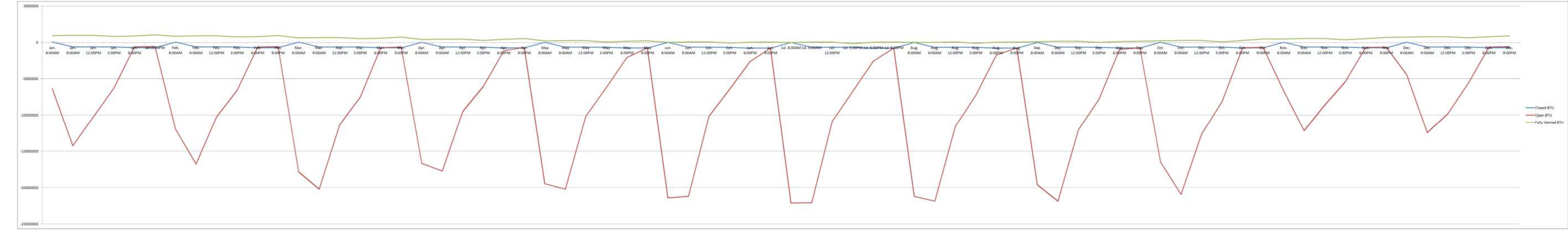
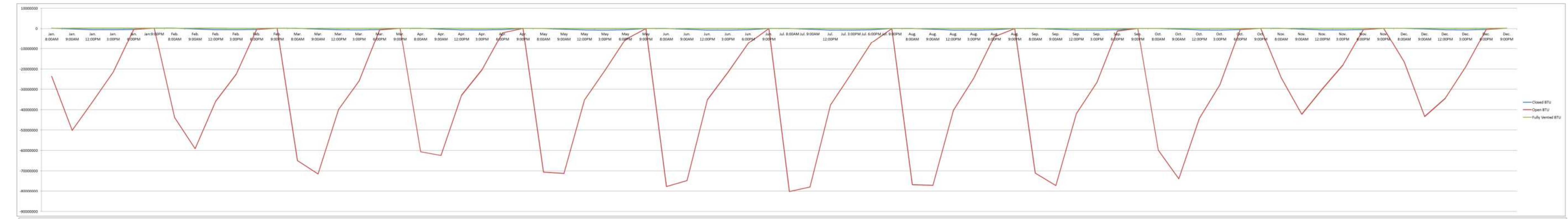
	Jun. 8:00AM	Jun. 9:00AM	Jun. 12:00PM	Jun. 3:00PM	Jun. 6:00PM	Jun. 9:00PM
Solar Gain S (SF)	500	800	1600	800	190	0
Solar Gain E (SF)	3200	2900	710	520	200	0
Solar Gain W (SF)	430	520	720	3000	2200	0
Closed BTU	-48620.7	10509.26	10509.26	-14218.4	1042.344	1157.4
Open BTU	-2.6E+07	-2.4E+07	-1E+07	-2.5E+07	-1.7E+07	10683
Fully Vented BTU	38361.6	97491.6	97491.6	-131900	36858.6	65115
Closed BTU	3911.904	-670008	-670008	-679213	-784629	-783364
Open BTU	-2.1E+07	-2.1E+07	-1E+07	-6463082	-2627471	-776652
Fully Vented BTU	6068.4	65198.4	65198.4	-88209.6	23561.4	41370
Closed BTU	10509.26	-371379	-753267	-777994	-602201	7727.4
Open BTU	-7.8E+07	-7.5E+07	-3.5E+07	-2.2E+07	-7286001	7727.4
Fully Vented BTU	-48620.7	10509.26	10509.26	-14218.4	1042.344	1157.4
BTU's	1.25E+08	1.19E+08	54066630	51762360	25637600	0
Closed BTU	-34199.6	-1030878	-1412766	-1471425	-1385788	-774479
Open BTU	-1.2E+08	-1.2E+08	-5.5E+07	-5.3E+07	-2.7E+07	-758242
Fully Vented BTU	-4190.74	173199.3	173199.3	-234328	61462.34	107642.4
Internal Temp	72	72	72	75	70	60
Exterior Temp	68.6	68.6	68.6	79.6	68.6	57.5

	Jul. 8:00AM	Jul. 9:00AM	Jul. 12:00PM	Jul. 3:00PM	Jul. 6:00PM	Jul. 9:00PM
Solar Gain S (SF)	520	880	1800	880	190	0
Solar Gain E (SF)	3300	3000	720	520	190	0
Solar Gain W (SF)	430	520	720	3000	2200	0
Closed BTU	-53566.3	5563.728	5563.728	-26891.4	2278.728	848.304
Open BTU	-2.7E+07	-2.5E+07	-1E+07	-2.5E+07	-1.7E+07	9992.88
Fully Vented BTU	-7516.8	51613.2	51613.2	-249464	48328.2	62247.6
Closed BTU	2071.008	-671849	-671849	-683930	-784169	-783479
Open BTU	-2.2E+07	-2.2E+07	-1.1E+07	-6733206	-2563927	-777036
Fully Vented BTU	-24613.2	34516.8	34516.8	-166831	31231.8	39452.4
Closed BTU	5563.728	-376324	-758212	-790667	-600964	7418.304
Open BTU	-8E+07	-7.8E+07	-3.8E+07	-2.3E+07	-7060124	7418.304
Fully Vented BTU	-53566.3	5563.728	5563.728	-26891.4	2278.728	848.304
BTU's	1.29E+08	1.24E+08	57364560	52938360	25279670	0
Closed BTU	-34199.6	-1030878	-1412766	-1471425	-1385788	-774479
Open BTU	-1.2E+08	-1.2E+08	-5.5E+07	-5.3E+07	-2.7E+07	-758242
Fully Vented BTU	-4190.74	173199.3	173199.3	-234328	61462.34	107642.4
Internal Temp	75	75	75	75	75	65
Exterior Temp	73.2	73.2	73.2	83.7	73.2	62.6

	Aug. 8:00AM	Aug. 9:00AM	Aug. 12:00PM	Aug. 3:00PM	Aug. 6:00PM	Aug. 9:00PM
Solar Gain S (SF)	620	1200	2200	1200	100	0
Solar Gain E (SF)	3100	2800	630	440	100	0
Solar Gain W (SF)	360	440	630	2800	1400	0
Closed BTU	-48929.8	927.288	10200.17	-21018.5	733.248	848.304
Open BTU	-2.5E+07	-2.3E+07	-8958506	-2.3E+07	-1.1E+07	9992.88
Fully Vented BTU	35494.2	8602.2	94624.2	-194983	33991.2	62247.6
Closed BTU	3796.848	-673575	-670123	-681744	-784744	-783479
Open BTU	-2.1E+07	-2.2E+07	-1.2E+07	-7247239	-1720754	-777036
Fully Vented BTU	4150.8	5752.8	63280.8	-130397	21643.8	39452.4
Closed BTU	10200.17	-380961	-753576	-784795	-602510	7418.304
Open BTU	-7.7E+07	-7.7E+07	-4E+07	-2.4E+07	-4002310	7418.304
Fully Vented BTU	-48929.8	927.288	10200.17	-21018.5	733.248	848.304
BTU's	1.23E+08	1.21E+08	59381490	53352920	15031300	0
Closed BTU	-34932.8	-1053608	-1413499	-1487557	-1386521	-775212
Open BTU	-1.2E+08	-1.2E+08	-6.1E+07	-5.5E+07	-1.6E+07	-759624
Fully Vented BTU	-9284.83	15282.29	168105.2	-346399	56368.25	102548.3
Internal Temp	75	72	75	75	73	64
Exterior Temp	71.7	71.7	71.7	81.8	71.7	61.6

	Sep. 8:00AM	Sep. 9:00AM	Sep. 12:00PM	Sep. 3:00PM	Sep. 6:00PM	Sep. 9:00PM
Solar Gain S (SF)	910	1600	2600	1600	23	0
Solar Gain E (SF)	2700	2600	500	330	19	0
Solar Gain W (SF)	250	330	500	2600	350	0
Closed BTU	-35638.7	23491.3	23491.3	618.192	14024.38	18466.78
Open BTU	-2.1E+07	-2.1E+07	-7075551	-2.1E+07	-2594870	49329.72
Fully Vented BTU	158792.4	217922.4	217922.4	5734.8	157289.4	225689.4
Closed BTU	8744.256	-665176	-665176	-673690	-779797	-776920
Open BTU	-2E+07	-2.2E+07	-1.2E+07	-7810083	-956072	-755175
Fully Vented BTU	86607.6	145737.6	145737.6	3835.2	104100.6	148755.6
Closed BTU	23491.3	-358397	-740285	-763158	-589219	25036.78
Open BTU	-7.1E+07	-7.7E+07	-4.2E+07	-2.7E+07	-1281345	25036.78
Fully Vented BTU	-35638.7	23491.3	23491.3	618.192	14024.38	18466.78
BTU's	1.12E+08	1.19E+08	59681500	53869690	3513667	0
Closed BTU	-3403.15	-1000081	-1381969	-1436230	-1354991	-733417
Open BTU	-1.1E+08	-1.2E+08	-6.1E+07	-5.5E+07	-4832287	-680808
Fully Vented BTU	209761.3	387151.3	387151.3	10188.19	275414.4	392911.8
Internal Temp	72	72	72	75	70	62
Exterior Temp	64.4	64.4	64.4	74.8	64.4	53.9

	Oct. 8:00AM	Oct. 9:00AM	Oct. 12:00PM	Oct. 3:00PM	Oct. 6:00PM	Oct. 9:00PM
Solar Gain S (SF)	1100	1900	3000	1900	0	0
Solar Gain E (SF)	2100	2300	400	230	0	0
Solar Gain W (SF)	150	230	400	2300	3	0
Closed BTU	-15238.4	43891.63	43891.63	11436.55	40606.63	70085.81
Open BTU	-1.6E+07	-1.8E+07	-5604403	-1.8E+07	73328.04	164579.8
Fully Vented BTU	348040.8	407170.8	407170.8	106093.8	403885.8	704545.2
Closed BTU	16337.95	-657582	-657582	-669663	-769902	-757706
Open BTU	-1.6E+07	-2.1E+07	-1.3E+07	-8130260	-731783	-691127
Fully Vented BTU	213169.2	272299.2	272299.2	70951.2	269014.2	468994.8
Closed BTU	43891.63	-337996	-719884	-752339	-562636	76655.81
Open BTU	-6E+07	-7.4E+07	-4.4E+07	-2.8E+07	-562639	76655.81
Fully Vented BTU	-15238.4	43891.63	43891.63	11436.55	40606.63	70085.81
BTU's	92404800	1.12E+08	61269200	52561390	21390	0
Closed BTU	44991.22	-951687	-1333575	-1410566	-1291932	-610964
Open BTU	-9.2E+07	-1.1E+08	-6.3E+07	-5.4E+07	-1221094	-449891
Fully Vented BTU	545971.6	723361.6	723361.6	188481.6	713506.6	1243626
Internal Temp	67	67	67	67	67	67
Exterior Temp	52.8	52.8	52.8	63.3	52.8	42.2

	Nov. 8:00AM	Nov. 9:00AM	Nov. 12:00PM	Nov. 3:00PM	Nov. 6:00PM	Nov. 9:00PM
Solar Gain S (SF)	560	1300	2100	1300	0	0
Solar Gain E (SF)	800	1200	220	110	0	0
Solar Gain W (SF)	46	110	220	1200	0	0
Closed BTU	24325.92	83455.92	83455.92	57491.86	80170.92	102850
Open BTU	-5903086	-9151348	-2949988	-9209318	183047.4	237732.5
Fully Vented BTU	715068	774198	774198	533336.4	770913	1008490
Closed BTU	31065.12	-642855	-642855	-652520	-755175	-745510
Open BTU	-6638096	-1.2E+07	-8612810	-5419895	-682690	-650474
Fully Vented BTU	458622	517752	517752	356673.6	514467	672260.4
Closed BTU	83455.92	-298432	-680320	-706284	-523072	109420
Open BTU	-2.4E+07	-4.2E+07	-3E+07	-1.8E+07	-523072	109420
Fully Vented BTU	24325.92	83455.92	83455.92	57491.86	80170.92	102850
BTU's	37194380	62845900	40313060	31603230	0	0
Closed BTU	138847	-857831	-1239719	-1301312	-1198076	-533240
Open BTU	-3.7E+07	-6.4E+07	-4.1E+07	-3.3E+07	-1022714	-303321
Fully Vented BTU	1198016	1375406	1375406	947501.9	1365551	1783600
Internal Temp	67	67	67	67	67	67
Exterior Temp	40	40	40	48.4	40	31.6

	Dec. 8:00AM	Dec. 9:00AM	Dec. 12:00PM	Dec. 3:00PM	Dec. 6:00PM	Dec. 9:00PM
Solar Gain S (SF)	430	1400	2500	1400	0	0
Solar Gain E (SF)	520	1200	220	96	0	0
Solar Gain W (SF)	27	96	220	1200	0	0
Closed BTU	65744.78	124874.8	124874.8	102001.7	121589.8	141487
Open BTU	-3679338	-8959080	-2857512	-9010148	275523.5	323997.5
Fully Vented BTU	1099300	1158430	1158430	946242	1155145	1366915
Closed BTU	46482.62	-627437	-627437	-635952	-739757	-731128
Open BTU	-4437005	-1.2E+07	-9833418	-5595854	-631298	-602534
Fully Vented BTU	715580.4	774710.4	774710.4	632808	771425.4	911960.4
Closed BTU	124874.8	-257013	-638901	-661774	-481653	148057
Open BTU	-1.7E+07	-4.3E+07	-3.4E+07	-1.9E+07	-481653	148057
Fully Vented BTU	65744.78	124874.8	124874.8	102001.7	121589.8	141487
BTU's	25125870	64216080	46193060	32572128	0	0
Closed BTU	237102.2	-759576	-1141464	-1195724	-1099821	-441584
Open BTU	-2.5E+07	-6.5E+07	-4.7E+07	-3.4E+07	-837428	-130479
Fully Vented BTU	1880625	2058015	2058015	1681052	2048160	2420362
Internal Temp	67	67	67	67	67	67
Exterior Temp	26.6	26.6	26.6	34	26.6	19.1