60 °F / 70% RH / 249 FT ELEVATION
GAS FIRED ANNUAL AVERAGE -100% LOAD

STREAM NO.	UNITS	1	2	3	4	5	6	7	8
Mass Flow	lb/hr	3,497,830	3,497,830	80,570	80,570	GT	0	3,578,400	419,164
Temperature	°F	60.0	54.9	60.0	280	568	n/a	1,112	1,047
Pressure	psia	14.564	14.42	445	435	798	n/a	15.11	1,688

STREAM NO.	UNITS	9	10	11	12	13	14	15	16
Mass Flow	lb/hr	419,164	838,327	826,674	413,337	413,337	76,566	489,904	489,904
Temperature	°F	1,047	1,042	669	669	668	569	652	1,046
Pressure	psia	1,688	1,633	371	371	361	366	361	330

STREAM NO.	UNITS	17	18	19	20	21	22	23	24
Mass Flow	lb/hr	489,904	979,807	70,391	70,391	1,132,242	1,132,242	1,132,242	566,121
Temperature	°F	1,046	1,042	504	504	593	98	98	97
Pressure	psia	330	320	63	63	58	0.88	105	95

STREAM NO.	UNITS	25	26	27	28	29	30	31	32
Mass Flow	lb/hr	548,187	526,581	107,418	419,164	0	30,851	30,851	0
Temperature	°F	97	301	302	305	n/a	423	101	n/a
Pressure	psia	95	69	406	1,831	n/a	374	364	n/a

STREAM NO.	UNITS	33	34	35	36	37	38	39	40
Mass Flow	lb/hr	3,578,400	66,662,090	66,662,090	0	0	17,934	17,934	0
Temperature	°F	192	73	90	n/a	n/a	97	302	n/a
Pressure	psia	14.56	35	25	n/a	n/a	95	69	n/a

STREAM NO.	UNITS	41	42	43	44	45	46	47	48
Mass Flow	lb/hr	0	0	Not Used	Not Used	Not Used	Not Used	Not Used	Not Used
Temperature	°F	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pressure	psia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Figure 2.2-4b
METCALF ENERGY CENTER
2X2X1 CONFIGURATION
HEAT AND MASS BALANCE DIAGRAM

JOB NO.	REV.	DATE
24193-004	A	2/10/99