	MAIN SERVICE	TOTAL USABLE KILOWATS AVAILABLE IN RACEWAY								
	AMPERAGE	120/208 1 PHASE	120/208 3 PHAS		0/240 PHASE	120/240 3 PHASE	277/480 3 PHASE			
	30	4.7	8.1		5.4	9.2	18.4			
	50	7.8	13.5		9.0	15.3	30.6			
•	80	12.5	21.6	,	14.4	24.5	49.0			
П	100	15.6	27.0	,	18.0	30.6	61.2			
	125		33.8			38.3	76.5			
Ш	150		40.5			45.9	91.8			
CTRIC	175		47.3			53.6	107.1			
	200		54.0			61.2	122.4			
	225		60.8			68.9	137.7			
	250		67.5		76.5		153.0			
\mathbf{C}	300		81.1			91.8	183.6			
	350		94.6			107.1	214.2			
	400		108.1			122.4	244.8			
	450		121.6			137.7	275.4			
	500		135.1			153.0	306.0			
	550		148.6			168.3	336.6			
	600		162.1			183.6	367.2			
	CFH OF GAS PER LENGTH OF RACEWAY @ 7" WC PRESSURE									
Ī	SINGLE FEED									
	PIPE SIZE	10'	15'	20'	30'	40'	50'			
•	1 1/2"	975	790	675	550	N/A	N/A			
$\mathbf{\cap}$	2"	2050	1700	1450	1175	990	900			
G/	LOOPED FEED									
AS	PIPE SIZE	10'	15'	20'	30'	40'	50'			
	1 1/4"	1200	960	840	700	590	540			
	1 1/2"	1950	1580	1360	1100	930	850			
	2"	4100	3400	2900	2350	1980	1800			
	BASED ON CONNECTION SIZE FOR NATURAL GAS AT 7" W.C. MAIN SERVICE FROM METER. DEPENDENT ON BUILDING PIPING SYSTEM AND PRESSURE. LOOPED SERVICE REQUIRED WHEN MORE THAN THREE APPLIANCES IN 10'(TO EQUALIZE FLOW AND INCREASE CAPACITY) PRESSURE DROP VARIES ACCORDING TO THE NUMBER OF APPLIANCES									

	11			(LB3. PER HOUR)				
PRESSU RE	VELOCITY	PIPE SIZE (O.D. X 0.065 INCH WALL)						
	FT/SEC	1"	1 1/2"	2"	2 1/2"	3"		
5	50	35	90	170	270	395		
	80	60	145	270	430	635		
	120	85.0	215	405	650	950		
	50	45	110	210	335	490		
10	80	70	180	330	535	785		
	120	110.0	270	500	800	1175		
	50	60	155	285	460	675		
20	80	100	245	460	735	1080		
	120	150.0	370	685	1105	1620		
30	50	80	195	365	585	855		
	80	125	310	580	935	1370		
	120	190.0	465	870	1400	2050		

STEAM SUPPLY LINE CAN BE SIZED FROM THE TABLE ABOVE. STEAM IS USALLY LOW PRESSURE AROUND 5PSI AND USE 2" OR 2 1/2" SUPPLY LINES. A 3" SUPPLY LINE IS VERY LARGE AND MAKES PLUMBING CONSTRUCTION DIFFICULT, IT SHOULD ONLY BE USED AS SUPPLY DEMANDS.

TYPICAL STEAM CONSUMPTION RATES						
EQUIPMENT	OPERATING	LBS PER HOUR				
	PRESSURE(PSIG)	IN USE	MAXIMUM			
10 GALLON STEAM JACKETED KETTLE	5-20	13	106			
25 GALLON STEAM JACKETED KETTLE	5-20	29	124			
40 GALLON STEAM JACKETED KETTLE	5-20	44	140			
60 GALLON STEAM JACKETED KETTLE	5-20	58	152			
DIRECT VEGTABLE STEAMER (PER COMPARTMENT)	5-20	29	80			
POTATOE STEAMER	5-20	29	80			