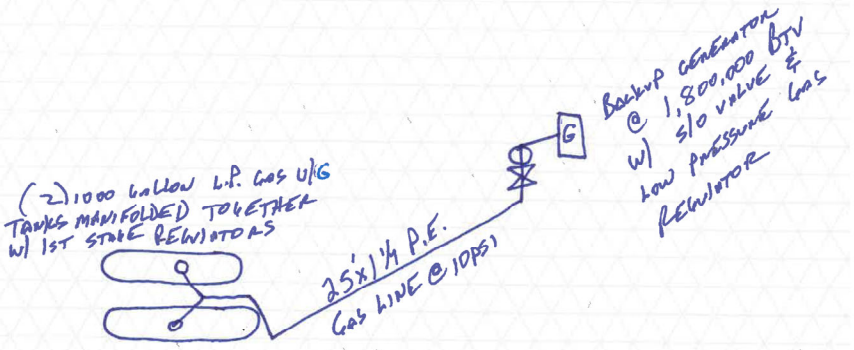
Client: LAKEFRONT ESTATES
Subject: 28020 E. STATE RD. 78 OKEECHOBEE FL
By:
Date:
Chk'd:
Date:
Project Number
Sheet Number
of



TOTAL BTU: 1,800,000
LONGEST RUN: 25'
L.P. GAS
ALL WORK DONE TO CODE
NFPA 54, 58 FBC 2023

PALMDALE COMO PROPANE
1701 COMMERCE AVE
VERO BCH FL 32960
LG45393

LP GAS SIZING TABLES FOR PE PIPE

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas with a Gas Pressure of 11.0 in. WC and a Pressure Drop of 0.5 in. WC
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	187	125	99	84	74	67	56	50	45	41	38	35	33	29	26
3/4" IPS	1073	720	571	484	425	383	325	286	257	235	218	204	192	169	152
1" CTS	1391	934	740	627	551	497	421	370	333	305	283	264	249	219	197
1" IPS	1983	1331	1054	893	786	708	600	528	475	435	403	376	354	311	280
1-1/4" IPS	3563	2391	1894	1605	1412	1272	1078	948	854	781	723	676	636	560	504
1-1/2" IPS	4724	3247	2608	2232	1978	1792	1534	1359	1232	1133	1054	989	934	828	750
2" IPS	10063	6755	5351	4535	3989	3592	3044	2678	2411	2207	2044	1910	1797	1581	1424

Tubing Size	Tubing Length (ft)														
	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
1/2" CTS	22	20	18	15	13	12	11	10	9	9	8	8	8	7	7
3/4" IPS	129	113	102	86	76	68	63	58	54	51	48	46	44	42	40
1" CTS	167	147	132	112	99	89	81	75	70	66	63	60	57	54	52
1" IPS	238	209	188	160	140	126	116	107	100	94	89	85	81	78	75
1-1/4" IPS	427	376	338	287	252	227	208	192	180	169	160	152	146	140	134
1-1/2" IPS	642	569	516	441	391	354	326	303	285	269	255	244	233	224	216
2" IPS	1207	1061	956	810	712	642	587	544	508	478	453	431	411	394	379

2,516 BTUh = 1 CFH

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas with a Gas Pressure of 2.0 psi and a Pressure Drop of 1.0 psi
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	1966	1319	1045	886	779	702	595	523	471	431	399	373	351	309	278
3/4" IPS	11300	7586	6008	5092	4479	4033	3418	3007	2707	2478	2295	2144	2018	1775	1599
1" CTS	14652	9835	7790	6602	5807	5229	4432	3898	3510	3213	2975	2780	2617	2302	2073
1" IPS	20877	14014	11100	9408	8275	7451	6315	5555	5002	4578	4239	3962	3729	3280	2953
1-1/4" IPS	37514	25183	19946	16905	14869	13389	11348	9982	8988	8226	7618	7119	6700	5894	5307
1-1/2" IPS	43429	29848	23969	20515	18182	16474	14100	12496	11322	10417	9691	9092	8589	7612	6897
2" IPS	105963	71131	56339	47750	42000	37820	32054	28194	25388	23234	21517	20108	18926	16647	14990

Tubing Size	Tubing Length (ft)														
	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
1/2" CTS	236	207	187	158	139	125	115	106	99	93	88	84	80	77	74
3/4" IPS	1355	1192	1073	910	800	720	659	611	571	537	508	484	462	443	425
1" CTS	1757	1545	1391	1179	1037	934	855	792	740	696	659	627	599	574	551
1" IPS	2503	2202	1983	1680	1478	1331	1218	1128	1054	992	939	893	853	818	786
1-1/4" IPS	4498	3956	3563	3019	2656	2391	2189	2027	1894	1783	1688	1605	1533	1469	1412
1-1/2" IPS	5903	5232	4740	4057	3596	3258	2997	2788	2616	2471	2347	2239	2144	2060	1985
2" IPS	12705	11175	10063	8529	7502	6755	6182	5725	5350	5036	4767	4535	4331	4150	3988

2,516 BTUh = 1 CFH

Maximum Capacity of PE Pipe in Thousands of BTU per Hour of Liquefied Petroleum Gas with a Gas Pressure of 10.0 psi and a Pressure Drop of 1.0 psi
(based on a 1.52 specific gravity gas)

Tubing Size	Tubing Length (ft)														
	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
1/2" CTS	2476	1662	1316	1116	981	884	749	659	593	543	503	470	442	389	350
3/4" IPS	14234	9555	7568	6414	5642	5080	4306	3787	3410	3121	2890	2701	2542	2236	2014
1" CTS	18455	12388	9812	8316	7315	6587	5583	4910	4422	4047	3747	3502	3296	2899	2611
1" IPS	26296	17652	13981	11849	10423	9385	7954	6997	6300	5766	5340	4990	4697	4131	3720
1-1/4" IPS	47252	31720	25123	21293	18729	16865	14294	12572	11321	10361	9595	8967	8440	7423	6685
1-1/2" IPS	53960	37087	29782	25489	22591	20469	17519	15527	14068	12943	12041	11297	10671	9458	8569
2" IPS	133476	89601	70967	60148	52905	47640	40376	35514	31980	29267	27104	25329	23840	20970	18882

Tubing Size	Tubing Length (ft)														
	200	250	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
1/2" CTS	297	261	235	199	175	158	144	134	125	118	111	106	101	97	93
3/4" IPS	1707	1501	1352	1146	1008	907	830	769	719	676	640	609	582	557	536
1" CTS	2213	1946	1753	1485	1306	1176	1077	997	932	877	830	790	754	723	695
1" IPS	3153	2773	2497	2116	1862	1676	1534	1421	1328	1250	1183	1125	1075	1030	990
1-1/4" IPS	5665	4983	4487	3803	3345	3012	2757	2553	2386	2246	2126	2022	1931	1851	1779
1-1/2" IPS	7334	6500	5890	5041	4468	4048	3724	3465	3251	3071	2916	2782	2664	2560	2466
2" IPS	16004	14077	12676	10743	9449	8509	7787	7212	6739	6343	6005	5712	5455	5227	5024

2,516 BTUh = 1 CFH

INSTALLATION SHALL BE MADE IN ACCORDANCE WITH NFPA 54 & 58 AS WELL AS ALL STATE & LOCAL CODES.

ADDITIONAL SIZING TABLES 402.4(25) & 402.4(28) FBC FUEL GAS.

1. LOCATION OF THE LP TANK IS SHOWN ON THE ATTACHED SURVEY AND IS IN COMPLIANCE WITH NFPA 58.

2. GENERATOR EXHAUST WILL BE MAINTAINED AT A MINIMUM DISTANCE FROM AIR INTAKE OPENING TO THE BUILDING AS REQUIRED BY THE FLORIDA MECHANICAL CODE.

This item has been electronically signed and sealed by Eric J Svoboda, PE, using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

Digitally signed by Eric Svoboda
Date: 2026.06.25 12:45:58 -04'00'
Adobe Acrobat version: 2026.001.21662

Palmdale Como Propane LLC

1701 Commerce Ave.
Vero Beach, FL 32960

GAS RISER

28020 EAST STATE ROAD 78
OKEECHOBEE, FL 34947

Fort Pierce Engineering, Inc.
Dependable Mechanical, Electrical & Plumbing Design
C.A. No. 28173

315 South 7th Street
Fort Pierce, FL. 34950
Phone: 772 672-4636
Fax: 772 672-4637

ERIC J. SVOBODA LICENSE No. 60982 STATE OF FLORIDA PROFESSIONAL ENGINEER

Eric J. Svoboda, PE
P.E. No. 60982

ISSUE DATE: 6-25-26

DRAWN: EJS
APPROVED: EJS

DRAWING NUMBER

G-1

GAS RISER