

IFGC 504.2(1)		Appliance Input Rating in Thousands of Btu/h											
Ver t	Hori z	3"		4"		5"		6"		Fan Ma x	Nat Ma x		
		Min	Max	Min	Max	Min	Max	Min	Max				
6	0	0	78	46	0	152	86	0	251	141	0	375	205
	2	13	51	36	18	97	67	27	157	105	32	232	157
	4	21	49	34	30	94	64	39	153	103	50	227	153
	6	25	46	32	36	91	61	47	149	100	59	223	149
8	0	0	84	50	0	165	94	0	276	155	0	415	235
	2	12	57	40	16	109	75	25	178	120	28	263	180
	5	23	53	38	32	103	71	42	171	115	53	255	173
	8	28	49	35	39	98	66	51	164	109	64	247	165
10	0	0	88	53	0	175	100	0	295	166	0	447	255
	2	12	61	42	17	118	81	23	194	129	26	289	195
	5	23	57	40	32	113	77	41	187	124	52	280	188
	10	30	51	36	41	104	70	54	176	115	67	267	175
15	0	0	94	58	0	191	112	0	327	187	0	502	285
	2	11	69	48	15	136	93	20	226	150	22	339	225
	5	22	65	45	30	130	87	39	219	142	49	330	217
	10	29	59	41	40	121	87	51	206	135	64	315	208
15	35	53	37	48	112	79	61	195	128	76	301	198	
20	0	0	97	61	0	202	119	0	349	202	0	540	307
	2	10	75	51	14	149	100	18	250	166	20	377	249
	5	21	71	48	29	143	96	38	242	160	47	367	241
	10	28	64	44	38	133	89	50	229	150	62	351	228
15	34	58	40	46	124	84	59	217	142	73	337	217	
20	48	52	35	55	116	78	69	206	134	84	322	206	
30	0	0	100	64	0	213	128	0	374	220	0	587	336
	2	9	81	56	13	166	112	14	283	185	18	432	280
	5	21	77	54	28	160	108	36	275	176	45	421	273
	10	27	70	50	37	150	102	48	262	171	59	405	261
	15	33	64	NA	44	141	96	57	249	163	70	389	249
	20	25	58	NA	53	132	90	66	237	154	80	374	237
30	NA	NA	NA	73	113	NA	88	214	NA	104	346	219	

IFGC 503.6.6	
Roof Pitch	H (min) in.
Flat to 6/12	12
6/12 to 7/12	15
7/12 to 8/12	18
8/12 to 9/12	24
9/12 to 10/12	30
10/12 to 11/12	39
11/12 to 12/12	48
12/12 to 14/12	60
14/12 to 16/12	72
16/12 to 18/12	84
18/12 to 20/12	90
20/12 to 21/12	96

Gas vent termination locations for listed caps 12 inches or less in size at least 8 ft. from a vertical wall.

IFGC 504.3.2	
Connector	Length
3"	4.5'
4"	6'
5"	7.5'
6"	9'
7"	10.5'
8"	12'
9"	13.5'
10"	15'
12"	18'
14"	21'
16"	24'
18"	27'
20"	30'
22"	33'
24"	36'

Residential Burial Depths	
Plastic	
Electric	18
Water	12
Gas (1) (3)	12
Drains	N/A
Rigid Steel	
Electric	6
Water	12
Gas (1)	12
Drains	N/A
Under driveways	
Electric (4)	18
Gas (2)	12
Under buildings	
Electric	0
Gas (2)	0

(1) Individual lines to outside lights, grills or other appliances shall be installed a minimum of 8 inches below finished grade, provided that such installation is approved and is installed in locations not

(2) Piping installed underground beneath buildings is prohibited except where the piping is encased in a conduit of wrought iron, plastic pipe, or steel pipe designed to withstand the superimposed loads. Such conduit shall extend into an occupiable portion of the building and, at the point where the conduit terminates in the building, the space between the conduit and the gas piping shall be sealed to prevent the possible entrance of any gas leakage. Where the end sealing is capable of withstanding the full pressure of the gas pipe, the conduit shall be designed for the same pressure as the pipe. Such conduit shall extend not less than 4 inches outside the building, shall be vented above grade to the outdoors, and shall be installed so as to prevent the entrance of water and insects.

(3) Plastic pipe shall not be used within or under any building or slab or be operated at pressures greater than 100 psig for natural gas or 30 psig for LP gas.

(4) Residential branch circuits rated 120 volts or less with GFCI protection and maximum overcurrent protection of 20 amperes 12".

No trench in 45 degrees of foundation.

Pipe Supports	Plumbing		Electrical		Mechanical	
	Horiz.	Vert.	Horiz.	From Box	Horiz.	Vert.
ABS 2" & smaller	4'	10'	4.5'	1'	10'	10'
Cast Iron	5'	15'	10'	3'	4'	6'
Copper tube 1 1/4" & smaller	6'	10'	3'	3'	5'	ea. floor
Copper tube 1 1/2" & Larger	10'	10'	4.5'	1'	5'	ea. floor
CPVC 1" & smaller	3'	10'	2.5'	1'		ea. floor
CPVC 1 1/4" & larger	4'	10'				
PEX	32"	10'				
PVC	4'	10'				
Steel gas 1/2"	4'	ea. floor				
Steel gas 3/4" or 1"	6'	ea. floor				
Steel gas 1 1/4" or larger	8'	ea. floor				
AC & MC cable	4.5'					
EMT, IMC & RMC	10'					
ENT	3'					
NM & UF	4.5'					
SE & USE	2.5'					
Rigid metal duct	10'					
Flex duct	4'					
Flue pipe (per mfr.)	5'					