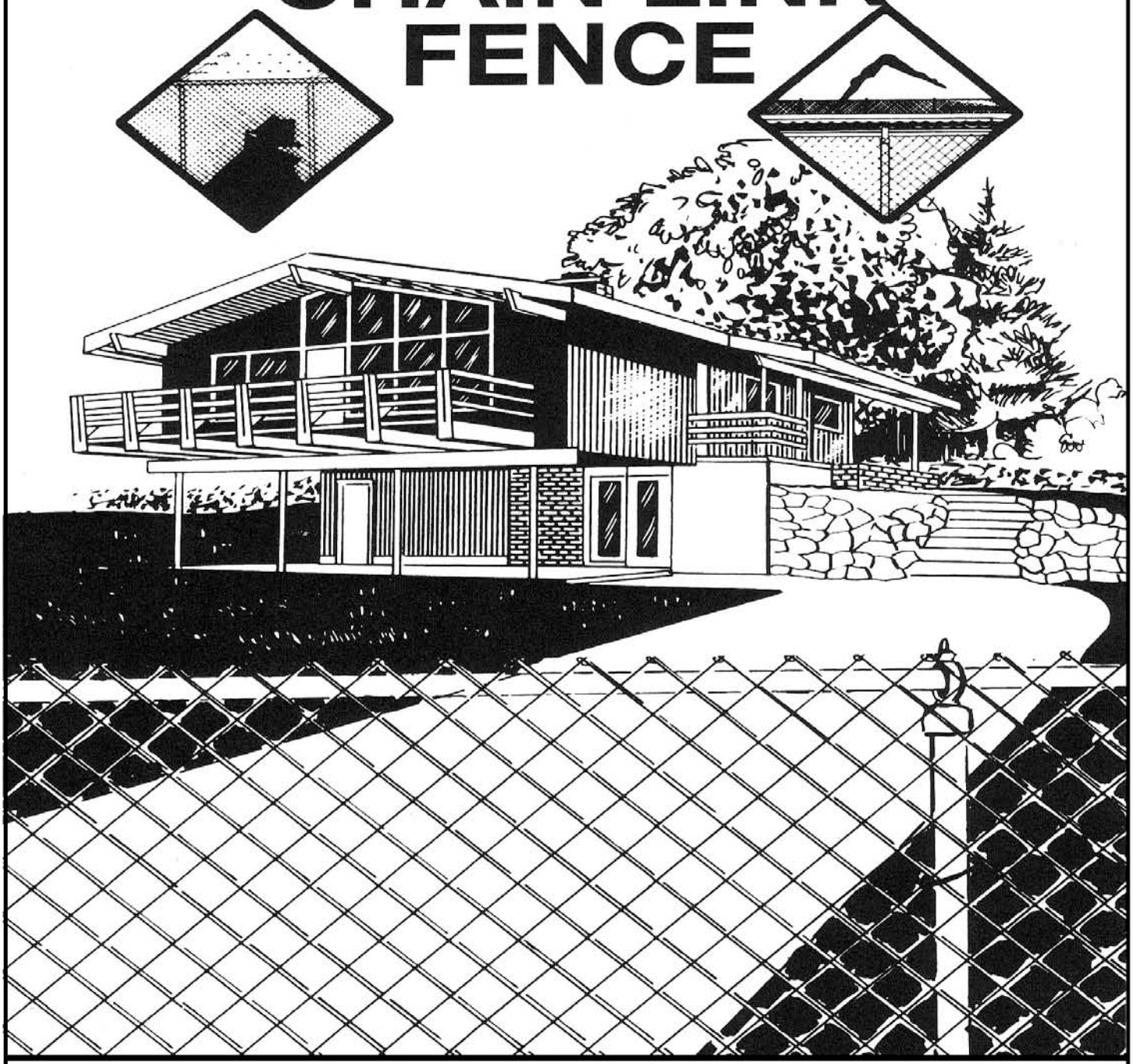
INSTALLING YOUR OWN

CHAIN LINK FENCE



Fence Specialists

www.fencespecialists.com

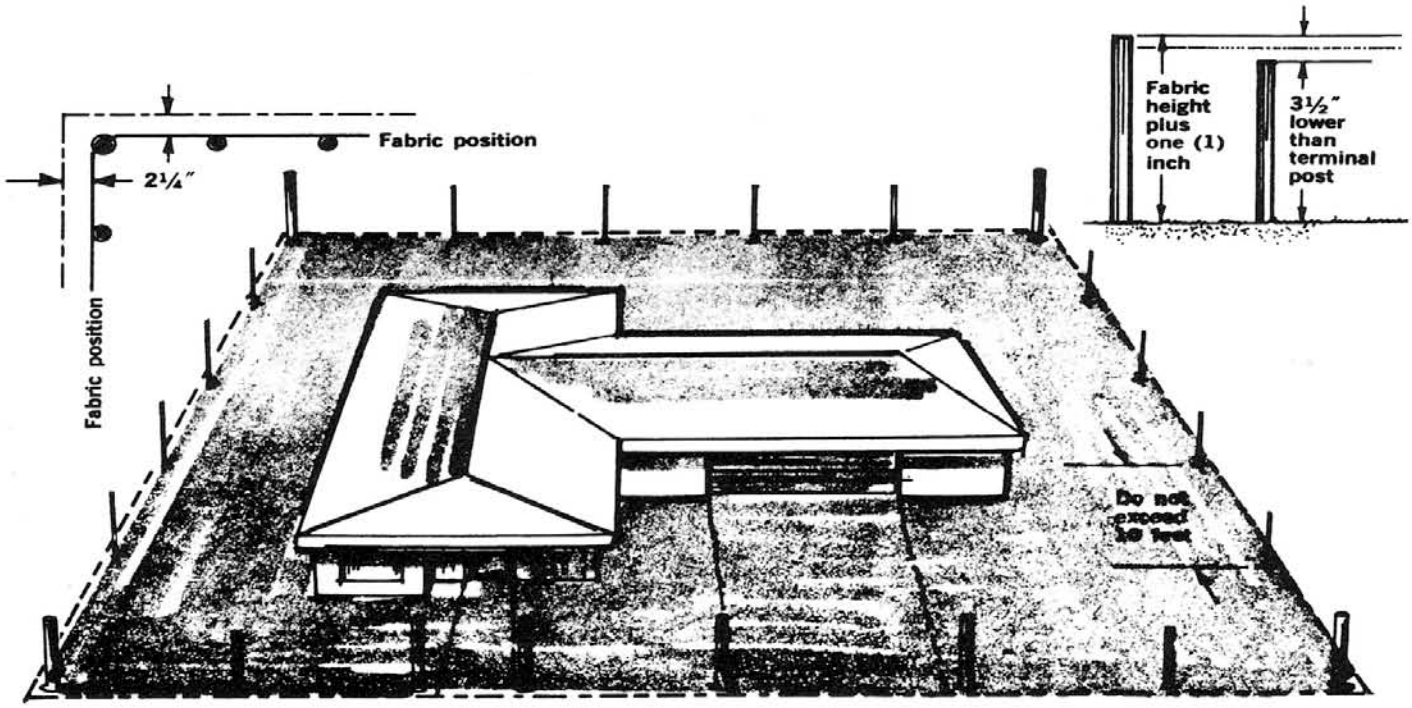
Installation Instructions

Before you start, make sure your boundaries and property lines are legally established. Please read these instructions carefully.

Line post spacing chart

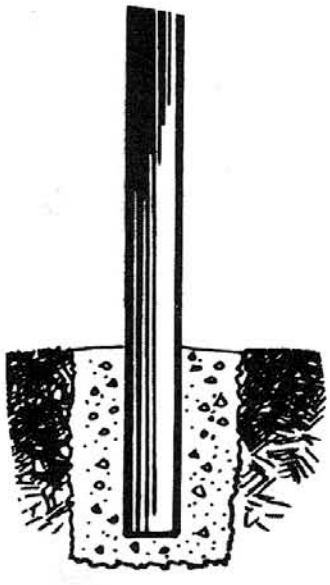
20 to 79 ft.			*80 to 139 ft.*			*140 to 199 ft.*			*200 to 259 ft.*		
Lineal Feet	Number of Posts	Post Spacing	Lineal Feet	Number of Posts	Post Spacing	Lineal Feet	Number of Posts	Post Spacing	Lineal Feet	Number of Posts	Post Spacing
20	1	10'0"	80	7	10'0"	140	13	10'0"	200	19	10'0"
21	2	7'0"	81	8	9'0"	141	14	9'5"	201	20	9'7"
22	2	7'4"	82	8	9'1"	142	14	9'6"	202	20	9'7"
23	2	7'8"	83	8	9'3"	143	14	9'6"	203	20	9'8"
24	2	8'0"	84	8	9'4"	144	14	9'7"	204	20	9'9"
25	2	8'4"	85	8	9'5"	145	14	9'8"	205	20	9'9"
26	2	8'8"	86	8	9'6"	146	14	9'9"	206	20	9'10"
27	2	9'0"	87	8	9'8"	147	14	9'10"	207	20	9'10"
28	2	9'4"	88	8	9'9"	148	14	9'10"	208	20	9'11"
29	2	9'8"	89	8	9'11"	149	14	9'11"	209	20	9'11"
30	2	10'0"	90	8	10'0"	150	14	10'0"	210	20	10'0"
31	3	7'9"	91	9	9'1"	151	15	9'5"	211	21	9'7"
32	3	8'0"	92	9	9'2"	152	15	9'6"	212	21	9'8"
33	3	8'3"	93	9	9'4"	153	15	9'7"	213	21	9'8"
34	3	8'6"	94	9	9'5"	154	15	9'8"	214	21	9'9"
35	3	8'9"	95	9	9'6"	155	15	9'8"	215	21	9'9"
36	3	9'0"	96	9	9'7"	156	15	9'9"	216	21	9'10"
37	3	9'3"	97	9	9'8"	157	15	9'10"	217	21	9'10"
38	3	9'6"	98	9	9'10"	158	15	9'11"	218	21	9'11"
39	3	9'9"	99	9	9'11"	159	15	9'11"	219	21	9'11"
40	3	10'0"	100	9	10'0"	160	15	10'0"	220	21	10'0"
41	4	8'2"	101	10	9'2"	161	16	9'6"	221	22	9'7"
42	4	8'5"	102	10	9'3"	162	16	9'6"	222	22	9'8"
43	4	8'7"	103	10	9'4"	163	16	9'7"	223	22	9'8"
44	4	8'10"	104	10	9'5"	164	16	9'8"	224	22	9'9"
45	4	9'0"	105	10	9'7"	165	16	9'8"	225	22	9'9"
46	4	9'2"	106	10	9'8"	166	16	9'9"	226	22	9'10"
47	4	9'5"	107	10	9'9"	167	16	9'10"	227	22	9'10"
48	4	9'7"	108	10	9'10"	168	16	9'11"	228	22	9'11"
49	4	9'10"	109	10	9'11"	169	16	9'11"	229	22	9'11"
50	4	10'0"	110	10	10'0"	170	16	10'0"	230	22	10'0"
51	5	8'6"	111	11	9'3"	171	17	9'6"	231	23	9'8"
52	5	8'8"	112	11	9'4"	172	17	9'7"	232	23	9'8"
53	5	8'10"	113	11	9'5"	173	17	9'7"	233	23	9'9"
54	5	9'0"	114	11	9'6"	174	17	9'8"	234	23	9'9"
55	5	9'2"	115	11	9'7"	175	17	9'9"	235	23	9'10"
56	5	9'4"	116	11	9'8"	176	17	9'9"	236	23	9'10"
57	5	9'6"	117	11	9'9"	177	17	9'10"	237	23	9'11"
58	5	9'8"	118	11	9'10"	178	17	9'11"	238	23	9'11"
59	5	9'10"	119	11	9'11"	179	17	9'11"	239	23	10'0"
60	5	10'0"	120	11	10'0"	180	17	10'0"	240	23	10'0"
61	6	8'9"	121	12	9'4"	181	18	9'6"	241	24	9'8"
62	6	8'10"	122	12	9'5"	182	18	9'7"	242	24	9'8"
63	6	9'0"	123	12	9'6"	183	18	9'7"	243	24	9'9"
64	6	9'2"	124	12	9'7"	184	18	9'8"	244	24	9'9"
65	6	9'3"	125	12	9'8"	185	18	9'9"	245	24	9'10"
66	6	9'5"	126	12	9'9"	186	18	9'9"	246	24	9'10"
67	6	9'7"	127	12	9'10"	187	18	9'10"	247	24	9'11"
68	6	9'9"	128	12	9'11"	188	18	9'11"	248	24	9'11"
69	6	9'11"	129	12	9'11"	189	18	9'11"	249	24	10'0"
70	6	10'0"	130	12	10'0"	190	18	10'0"	250	24	10'0"
71	7	8'11"	131	13	9'4"	191	19	9'6"	251	25	9'8"
72	7	9'0"	132	13	9'5"	192	19	9'7"	252	25	9'8"
73	7	9'2"	133	13	9'6"	193	19	9'8"	253	25	9'9"
74	7	9'3"	134	13	9'7"	194	19	9'8"	254	25	9'9"
75	7	9'5"	135	13	9'8"	195	19	9'9"	255	25	9'10"
76	7	9'6"	136	13	9'9"	196	19	9'10"	256	25	9'10"
77	7	9'8"	137	13	9'9"	197	19	9'10"	257	25	9'11"
78	7	9'9"	138	13	9'10"	198	19	9'11"	258	25	9'11"
79	7	9'11"	139	13	9'11"	199	19	9'11"	259	25	10'0"

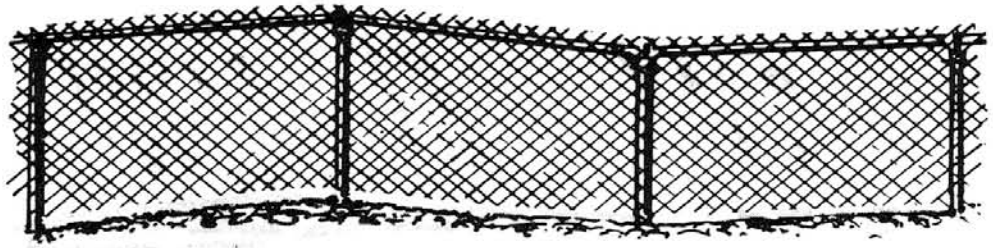
Lay out fence lines to determine where to locate (end, corner and gate posts) terminal posts. Drive stakes as illustrated at exact boundary line.



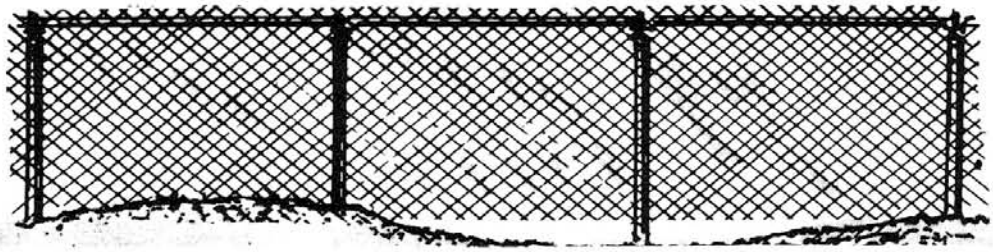
If you wish to install a 36-inch wide gate, leave exactly 36 inches between gate posts as measured from inside face of gate post.

SETTING POSTS IN CONCRETE:
Pour the concrete—one part cement, two parts sand, four parts gravel, or prepare dry cement mix in bags. Follow directions on bag for mixing. DO NOT MIX TOO WET. Pour a foot depth at a time and tamp down firmly to remove air holes. Use carpenter's level to set posts plumb and in correct position to boundary lines.





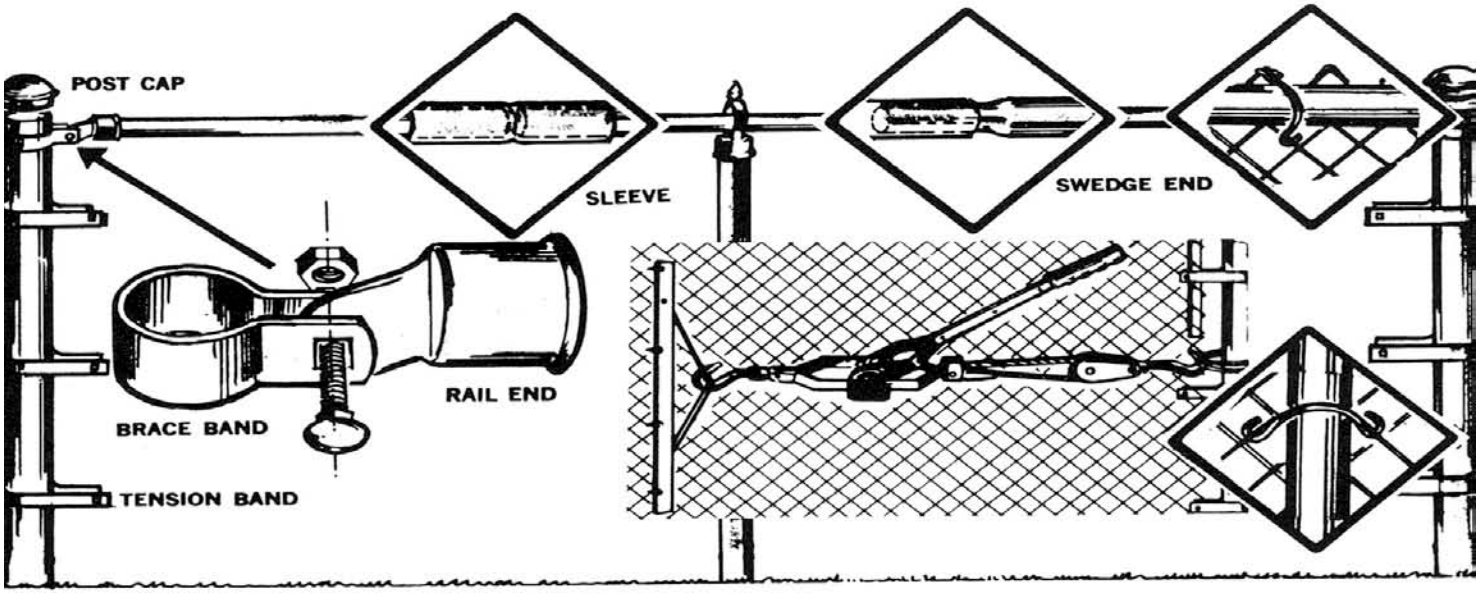
Ground Countour Installation



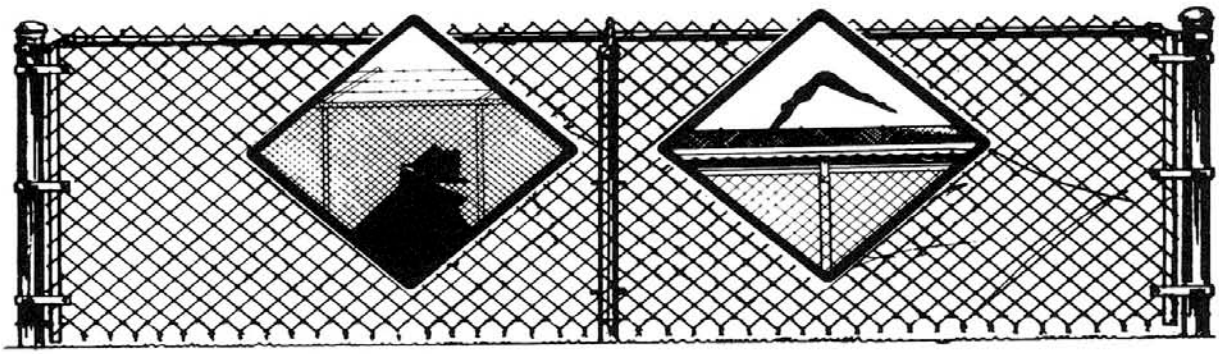
Straight Countour Installation

No two pieces of ground are alike or completely level. You must take this into account as you determine your fence installation. To make the top of your fence straight, you must compensate for ground level variations by adjusting the amount of post above ground to a level line of sight. In some cases it may be necessary to trench the ground at a particular high ground level or if ground level is low, it may require filling with dirt.

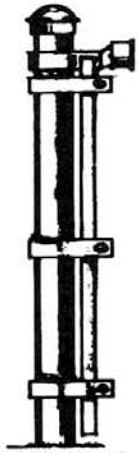
After concrete has set long enough to be hard, normally three days, begin to assemble the fittings. Slide tension bands onto end and corner posts. Be sure long, flat side of tension band is to the outside or wire side of posts, and that there is approximately one band for each foot of the post. Place eyetops on each of the line posts with offset toward wire side of post. Place brace bands on terminal posts. Attach rail end fittings to brace bands bolting them together loosely as illustrated. Thread top rail through eyetop and into one rail end. In the event you must join two lengths of top rail, make sure top rail joints are sleeved near a line post. Please note illustrations (A top rail sleeve is used to join two lengths of top rail together, however if a swedged end top rail is used no sleeve is necessary). Put on a sleeve and continue with top rail to next terminal post. Cut last length of top rail to fit all the way into sleeve and tightly into the remaining rail end. Once top rail is in position, tighten all brace band, and rail end bolts securely. Put cap fittings on all terminal posts.



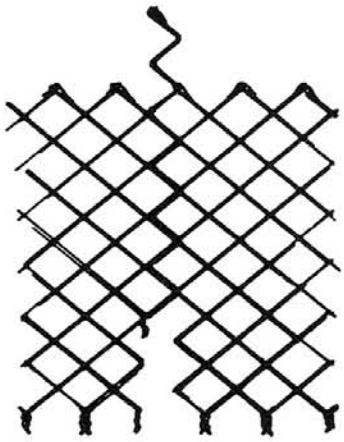
The wire fence fabric is next. Unroll it along wire side of the fence line with desired edge in position. Insert a tension bar thru the last vertical row of chain link wire, nearest a gate, end or corner post. Stand end of chain link up and put tension bar in tension bands. Install band bolts with threads towards inside of fenced area. Tighten bolts as necessary to maintain fabric at proper height. Unroll chain link against fence frame. Loosely secure fabric to top rail to hold vertically as necessary. Chain link fabric must be stretched to take out slack. Attach fence stretcher. It is connected between a stretcher bar attached to the chain link vertically and the corner or end post. Stretch fabric taut, remove excess fabric at end post (see illustration for splicing). Insert tension bar, attach to tension bands and bolts as before.



Tie fabric to fence frame. Tie fabric to top rail raising fabric to desired level as you do so. Space tie wires approximately 24″ apart. Three ties on each line post minimum. Tighten nuts on all tension and brace band bolts. Please note illustration. You may install chain link fabric two ways. The fabric has smooth loops on one end and barbed ends on the other. For most residential installations it is recommended that fabric is installed with smooth edge up. In the event, added security is necessary, you may install fabric with barbs up.



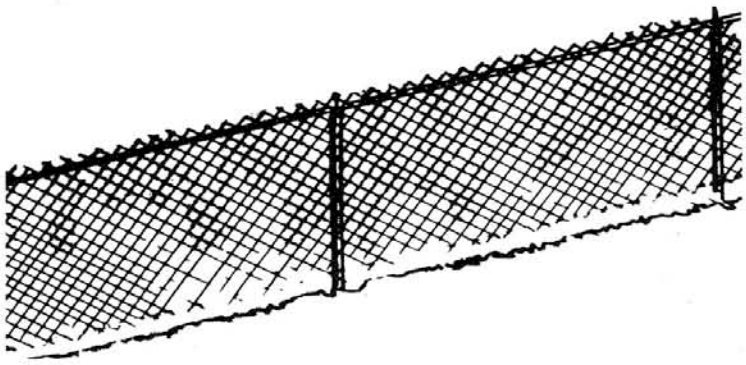
END POSTS



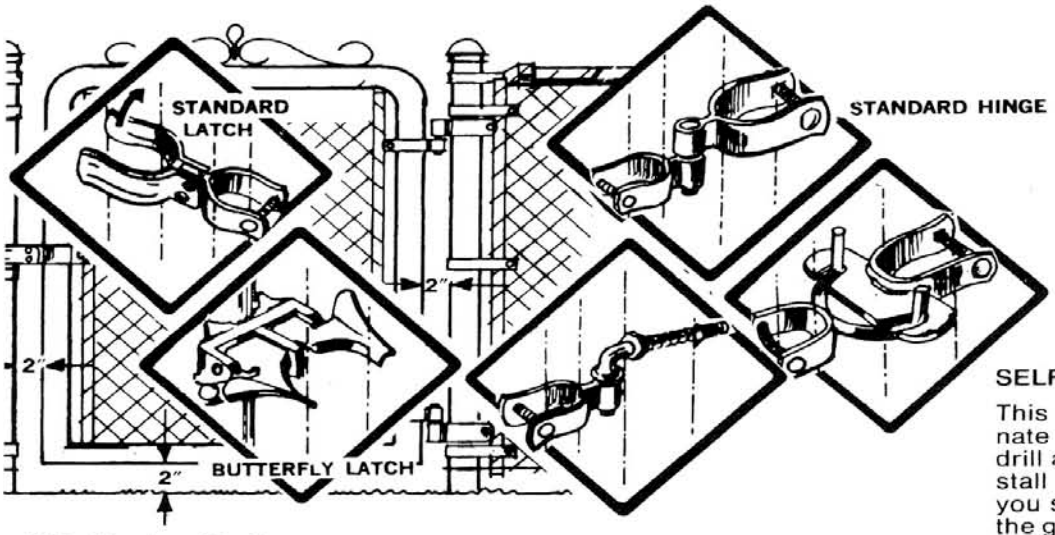
CORNER POSTS

To shorten or take two sections apart, untwist wire at barbed end of fabric at the desired place. Loosen wire at top of fabric and begin to corkscrew the loosened picket out, separating the two sections. To splice two sections, you must be sure you start with a whole diamond and a half diamond at the top of the fabric. Corkscrew wire picket down through the ends of the sections. Twist the wires together at barbed ends and attach top of picket to the looped end.

Hillside slope:



The posts are installed vertically on the slope while the chain link is square. The tension bars are put through the chain link parallel to the post and the excess trimmed off. Also, the length of the post must be proportionately longer, depending on slope angles (see illustration).



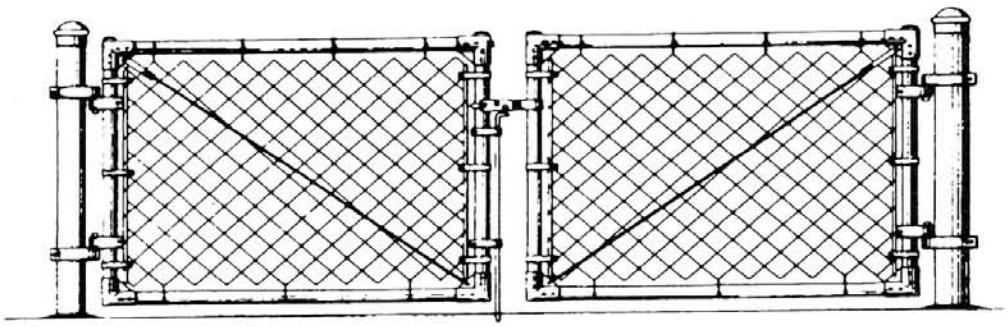
There are two basic types of latches: One is the **standard latch** as illustrated and the other is a **butterfly latch**, also illustrated. This is a **self-latching fitting** and is used primarily for self-closing gates. To make your single gate a self-closing gate, install a butterfly latch and a self-closing hinge set (see illustration).

SELF-CLOSING HINGE

This is an illustration of an alternate type of hinge pin. You must drill a $\frac{5}{8}$" hole in gate post to install this type pin, but it allows you some variation for adjusting the gate to the latch.

Walk-in Gate

Set gate posts to exact opening dimension. For example, for a three foot opening set gate posts exactly three feet apart measured from the inside face of each post. The gate hinges should be mounted with top hinge pin down and bottom hinge pin up. Hang gate to give 2" clearance at the ground. Mount the bottom gate hinge on bottom pin first so top of gate is parallel to top of fence fabric. Adjust top gate hinges accordingly. Mount gate latch to gate frame.



Double/Driveway Gate

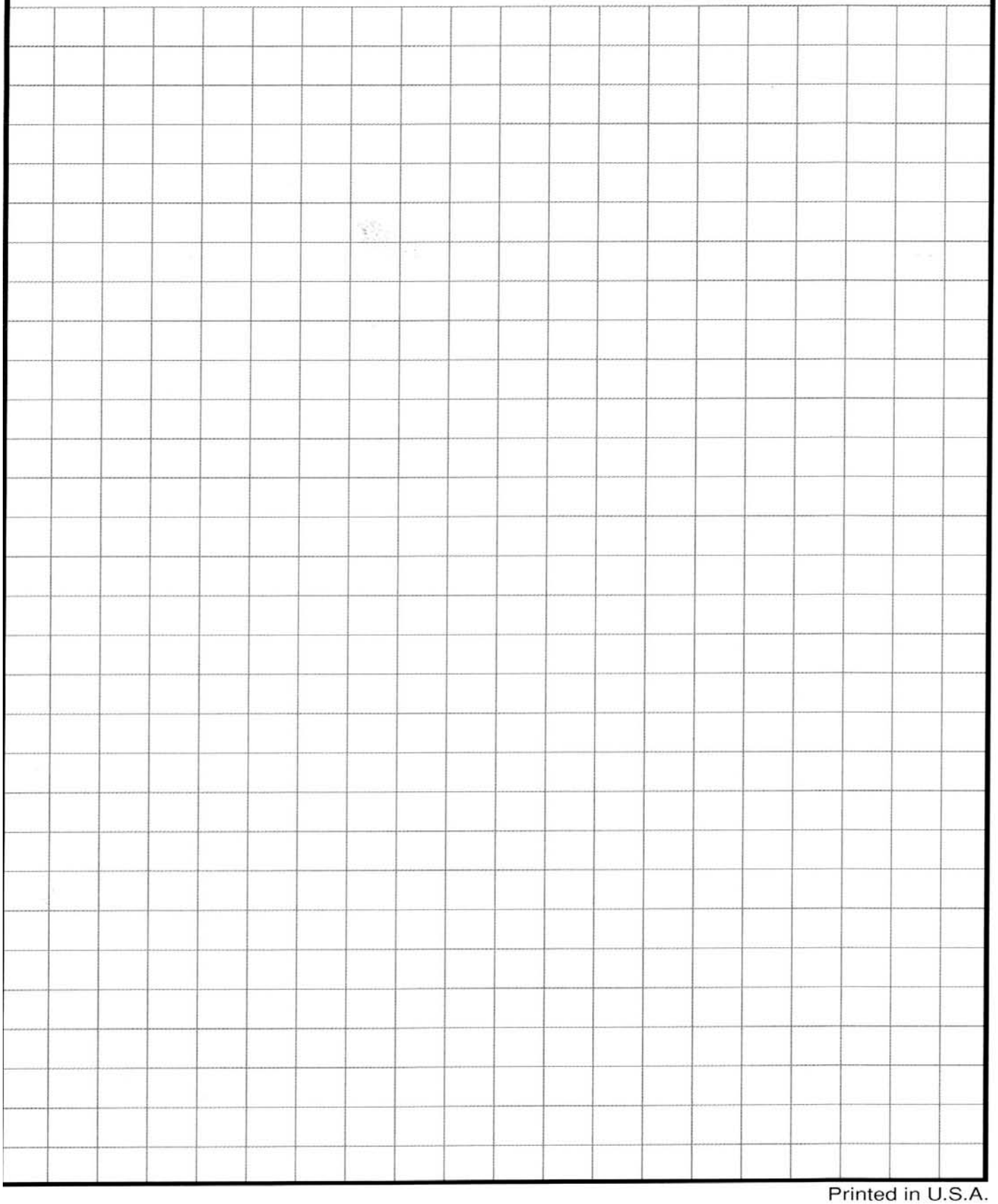
Mount gate latch to one of the gate frames. A hole or notch in the ground should be made as illustrated, to secure the double gate latch.

To install a double opening gate, for example across a driveway, determine exact opening, dimensions measured from inside face to inside face of gate posts. Allow 2" at the bottom of the gates for ground clearance. Mount gate hinge and hinge pins the same as the single gate, being sure to line top of gates parallel with fence fabric.

MATERIALS NEEDED FOR RESIDENTIAL CHAIN LINK FENCE

NO. OF PIECES	ITEM—DESCRIPTION	QUANTITY TO USE	PRICE EACH
	Fabric (50 feet per roll)	Divide total footage by 50 and round up	
	Top Rail 21′ x 1-3/8″ O.D. Swedged	Divide total footage by 21 and round up	
	Line Post	Divide total footage by 10 and round up	
	Loop Caps	Use 1 per Line Post	
	Terminal Post		
	Tension Bar	Use 1 per end or gate post, 2 per corner post	
	Brace Band	Use 1 per Tension Bar	
	Rail Ends	Use 1 per Tension Bar	
	Tension Band	36″-42″-48″ End 3 Corner 6 60″ 4 8 72″ 5 10	
	5/16″ x 1¼″ Carriage Bolts	Use 1 per tension and brace band	
	Post Caps	Use 1 per terminal post	
	Alum Cut Ties	Use 1 per foot of fence —Packaged 100 per bag	
	Walk Gate Double Drive Gate (10′ or 12′ wide)		

Sketch in the plan of your fence:



Printed in U.S.A.