



STANDARD DETAILS

CITY OF SHERWOOD  
ARKANSAS

TITLE

CHAIN LINK FENCE DETAIL  
RESIDENTIAL  
SHEET 1 OF 2

STD-55-1

Issue Date

January, 2007

Revision Date

NOTE: POST SIZES SHOWN ARE FOR STEEL WHERE ALUMINUM IS PROVIDED. LINE POST SHALL HAVE AN OUTSIDE DIAMETER OF 2 1/2" FOR FENCE HEIGHT OF 6' TO 12'.

OTHER DETAILS APPLY TO BOTH STEEL AND ALUMINUM FENCES.

ALL MISCELLANEOUS AND HARDWARE SHALL MEET THE REQUIREMENTS & PRODUCTION TOLERANCES AS SET FORTH IN ASTM F626, AASHTO M111, M232 OR M181, 9 GAUGE ALUMINUM WIRE SHALL BE ACCEPTABLE FOR TIEING FABRIC TO TUBULAR AND ROLL AND FORMED MEMBERS OF STEEL FENCE.

REQUIRED O.D. IN INCHES	GRADE 1 AND ALUMINUM ALLOY			
	O.D.* INCHES	MINIMUM WALL THICKNESS	LBS. PER LINEAR FT.*	
			STEEL	ALUMINUM
1 3/8				
1 5/8	1.625	0.375	2.27	0.786
2	2.000	0.500	2.72	0.940
2 1/2	2.500	0.500	3.65	1.264
3	3.000	0.500	5.79	2.004
3 1/2	3.500	0.500	7.58	2.621
4	4.000	0.500	9.11	3.151

\* ± 5% Tolerance according to AASHTO M-181

General Notes:

- (D) **Tension Wire:** Shall be secured at all terminal, pull, brace or corner posts with tension bar bands.
- (J) **Brace Rails:** Brace rails shall be provided at all terminal, pull, brace or corner posts halfway between the top rail and ground level and shall extend from such post to the first adjacent line post.
- (L) **Fabric:** Shall conform to requirement of AASHTO M181, Type I, Class D.
- (M) **Gate Frames:** Shall be constructed of tubular members assembled by use of heavy pressed steel, malleable fittings or by welding. All gates shall have one horizontal support extending the width of the gate at the midpoints of vertical frame members. The complete frame shall be rigid and have ample strength to be free from sag and twist.
- (O) **Hinges:** Shall be of heavy pattern, of adequate strength for gate, and with large bearing surfaces for clamping in position. The hinge shall be of the proper type to allow for the designated degree of swing. The hinge shall not twist or turn under the action of the gate. The gates shall be capable of being opened and closed easily by one person.
- (P) **Latches and Stops:** Shall be provided for all gates. Gates shall have a drop bar latch. Latches shall be arranged for locking. The stop for drop bar latches shall be set in concrete and engage the plunger of the bar latch.
- (S) **Caps:** All posts, except roll formed posts and "T" posts shall be capped over the exterior of the post, and shall conform to ASTM F526-84.

Class A Concrete required for the embedment of all posts shall not be paid for directly but shall be included in the contract unit price bid for chain link fence.

Posts shall be spaced equidistant on a maximum of 10' centers.

Excavation for Posts: In other than rock shall be of the dimensions indicated. If rock is encountered before reaching the required depth, the excavation shall be continued to the depth indicated or 1'6" into the rock, whichever is less, and shall be a minimum of 8 inches in diameter.

DOUBLE SWING GATE

