

37

TABLE 607.03-1 - SCHEDULE OF CHAIN LINK FENCE POSTS								
ZINC-COATED PIPE - NOMINAL								
Fence Height (Feet)	Line Post		End, Corner & Pull Post		Brace		Top Rail	
	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft
3	1-7/8	2.72	1-7/8	2.72	1-5/8	2.57	1-3/8	1.68
4	1-7/8	2.72	1-7/8	3.65	1-5/8	2.57	1-3/8	1.68
5	1-7/8	2.72	2-3/8	3.65	1-5/8	2.57	1-5/8	2.27
6	2-3/8	3.65	3	5.79	1-5/8	2.57	1-5/8	2.27
ALUMINUM PIPE - NOMINAL								
Fence Height (Feet)	Line Post		End, Corner & Pull Post		Brace		Top Rail	
	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft	OD Inch	Wt lbs/ft
3	2	1.264	3	2.621	1-1/4	0.786	1-1/4	0.786

38
39
40

Conform footing depths to Table 607.03-2 – Footing Depths.

TABLE 607.03-2 - FOOTING DEPTHS		
Type of Post	Fabric Height Inches	Footing Depth (Minimum) Feet
Line Post	36	2
End, Corner, and Gate Post	36	2.5
Line Post	48	2.5
Other Post	--	3

41
42
43

Use minimum footing diameter of 8 inches, or three times diameter of post, whichever is greater.

44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88

For fence heights greater than 6 feet, brace end, corner, and gate posts to nearest line post with horizontal braces as compression members, and truss rods with turnbuckles as tension members. Provide brace and truss pull posts at intervals of 300 feet in both directions.

Install corner posts when fence line changes 30 degrees or more.

Pass top rail or top tension wire through base of line post tops or extension arms, and form continuous brace from end to end of each fence section.

Furnish top rails in approximate 20-foot lengths. Provide top rails with accepted outside couplings or expansion sleeves. Fasten top rail or top tension wire securely to terminal posts with rail ends and brace bands.

Furnish brace rails in required lengths.

(C) Fence Fabric. Fasten chain link fabric on designated side of posts. Position fabric to follow ground contour with bottom of fabric 2 inches above ground.

Provide knuckled finish on bottom edge of chain link fabric. For chain link fabric widths greater than 60 inches, provide twisted and barbed finish on top edge. For chain link fabric widths of 60 inches or less, provide knuckled finish on top edge.

Fasten top edge of chain link fabric to top rail or tension wire between posts. Fasten bottom edge of chain link fabric to tension wire between posts. Excavate high points of ground to install bottom tension wire on straight grade between posts. Do not fill depressions.

Fasten chain link fabric to end, corner, and gate posts with stretcher bars and stretcher bar bands spaced at 12 inches. Fasten chain link fabric to line posts and tension wires with tie wires or metal bands. Space tie wires or metal bands on line posts at approximately 14 inches, and on top rails and tension wires at approximately 24 inches.

(D) Gates. Furnish gate frames and posts from pipes conforming to Table 607.03-3 – Gates (3 Feet to 6 Feet Height), or accepted shapes of equivalent structural strength. Cross-truss drive gates with adjustable truss rods acceptable to the Engineer. Assemble from properly designed fittings, or by welding techniques acceptable to the Engineer.

607.03

88
89
90
91
92
93
94
95
96
97
98
99
100

Use chain link fabric for gate. Attach fabric to gate frame by stretcher bars and tie wires, as specified for fence construction, and suitable tension connectors spaced at approximately 12 inches.

For gate heights up to 60 inches, hang gate with two hinges. For gate heights greater than 60 inches, hang gate with three hinges. Provide hinges designed to clamp securely to gate post, and permit gate to swing back against fence.

Provide gates with combination catch and locking attachment of design acceptable to the Engineer. Provide stops to hold gates open and center rest with catch where required.

TABLE 607.03-3 - GATES (3 FEET TO 6 FEET HEIGHT)				
ZINC-COATED PIPE				
GATE FRAMES		GATE OPENING	GATE POSTS	
O.D. Inch	Nominal Weight lbs/ft		O.D. Inch	Nominal Weight lbs/ft
1-7/8	2.72	Single to 6' or Double to 12'	3	5.79
1-7/8	2.72	Single over 6' to 13' or Double over 12' to 26' inclusive	4	9.11
1-7/8	2.72	Single over 13' to 18' or Double over 26' to 36' inclusive	6-5/8	18.97
1-7/8	2.72	Single over 18' or Double over 36'	8-5/8	24.70

101
102

TABLE 607.03-3 - GATES (Continued)						
ALUMINUM PIPE						
GATE FRAMES			GATE OPENING	GATE POSTS		
Nominal Size Inch	Nominal O.D. Inch	Wt. lbs/ft		Nominal Size Inch	Nominal O.D. Inch	Wt. lbs/ft
1-1/2	1.9	0.94	Single to 6' or Double to 12'	3	3-1/2	2.621
1-1/2	1.9	0.94	Single over 6' to 13' or Double over 12' to 26' inclusive	3-1/2	4	3.151
1-1/2	1.9	0.94	Single over 13' to 18' or Double over 26' to 36'inclusive	6	6-5/8	6.564
1-1/2	1.9	0.94	Single over 18' or Double over 36'	8	8-5/8	9.878

103

104

105 **607.04 Measurement.** Fence and gate will be paid on a lump sum basis.
 106 Measurement for payment will not apply.

107

108 **607.05 Payment.** The Engineer will pay for accepted fence and gate on a
 109 contract lump sum basis. Payment will be full compensation for work prescribed in
 110 this section and contract documents.

111

607.05

111 The Engineer will pay for following pay items when included in proposal
112 schedule:

113	Pay Item	Pay Unit
114	_____ - Feet, Chain Link Fence	Lump Sum
115	Chain Link Gate, _____ Feet High And _____ Feet Wide	Lump Sum

116

117

118

END OF SECTION 607