

Chain Link Fence Fabric

Fabric shall be continuous chain link fence, ASTM 392 and wire spec A817 Galvanized after weaving (GAW) or Galvanized before weaving (GBW).

- or
- 1.2 oz. sq. ft. (366 g/m²) Class 1
 - 2 oz. sq. ft. (610 g/m²) Class 2

Line Posts

Line posts shall be hot dipped galvanized 2-3/8" O.D. hot dipped galvanized pipe, weighing 3.65 lbs per lineal foot. Line post shall be spaced not further than 10' centers.

Terminal Posts

End, corner and pull posts shall be hot dipped galvanized pipe 2-7/8" O.D. and weighing not less than 5.79 lbs. per lineal foot.

Steel Fence Frame Members

- A- Type A steel pipe (schedule 40) per ASTM F 1083 having a minimum yield strength 30,000 psi (205 MPa) and minimum tensile strength 48,000 psi (330 MPa).
Pipe coated inside and outside by hot dipped methods. Minimum 1.8 oz/ft² (55 g/m²) of surface.
- B- Type B steel pipe produced in accordance with commercial standards. Minimum yield strength of 50,000 psi (344 MPa). Cold formed and welded per ASTM F 1043. Zinc overcoat, minimum 0.9 oz/ft² (0.27 kg/m²) with a conversion coating and verifiable polymer film.

Fittings

- A. Chain link fence fittings per ASTM F626. All ferrous metal fittings to be galvanized.
- B. Post Caps: Steel, cast iron or aluminum alloy; must be weatherproof to prevent moisture intrusion into post. Top with arm to be provided when barbed wire is specified. Intermediate or line post tops to have loop for top rail when specified.
- C. Rail Ends: Formed steel or iron, designed to provide secure connection of top rails to terminal post and brace or other rails to terminal and intermediate posts.
- D. Sleeves: Lengths of top rails to be connected using 6" (152mm) sleeves that allow for expansion or contraction of the rail.
- E. Tie Wire: 9 gauge [0.148" (3.76mm)] galvanized steel or aluminum for attached of chain link fabric to rails. Hog rings attached fabric to tension wire to be 9 gauge [0.148" (3.76mm)].
- F. Fabric bands and brace bands to be pressed steel.
- G. Tension (stretcher) bars made of one continuous piece of steel or aluminum, 3/16"x3/4" (4.76mm x 19mm). Provide one bar per end or gate post and two bars per corner or pull post.
- H. Tension Wire: Galvanized steel wire, 7 gauge, [0.177" (4.5mm)], having a tensile strength of 75,000 psi (517 MPa).
- I. Truss rods & tightener. rod minimum diameter 5/16" (7.9mm).
- J. Fasteners: All nuts and bolts to be galvanized.
- K. Barbed Wire: Galvanized coated, per ASTM A-121 Type Z-zinc coated wire-Design #12-4-5-14R, double strand, 12-1/2 gauge, twisted line wire with, 4 point barbs, spaced approximately 5" on center.
- L. Barbed Wire Supporting Arms: Pressed steel arms with provisions for attaching 3 rows of barbed wire. Arms shall withstand 250 lb. (113.5kg) downward pull at outermost end of arm without failure.

ENGINEERING DEPARTMENT		CITY OF MERCED, CA.		
CHAINLINK FENCE SPECIFICATIONS		F-2		
DRAWN: SER	APPROVED BY: <i>David L. Tucker</i>			DATE: <i>4/4/06</i>
ENG.				
REVISED 8/10	CITY ENGINEER			
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