

Gates

Gate frames to be made of heavy galvanized 1-7/8" O.D. pipe, weighing 2.72 lbs. per lineal ft. Corner fittings, ball and socket hinges, catch, stops and center rest to be heavy galvanized malleable iron. Hinges 90 degrees and 180 degrees.

Gate Posts

Posts shall be hot dipped galvanized pipe in accordance with the following tabulation:

<u>Gate Frame</u>	<u>Gate Opening</u>	<u>Gate Post</u>	<u>Weight per Lineal Ft.</u>
1-7/8" O.D.	Single to 6' Double to 12' inclusive	2-7/8" O.D.	5.79
1-7/8" O.D.	Single over 6' to 13' or Double over 12' to 26' inclusive	4" O.D.	9.11
1-7/8" O.D.	Single over 13' to 18' or Double over 26' to 36' incl.	6 5/8" O.D.	18.97
1-7/8" O.D.	Single over 18' or Double over 36'	8 5/8" O.D.	24.70

Setting Materials

- A. Concrete: Minimum 28 day compressive strength of 2,800 psi.

Chain Link Fence Framing Installation

- A. Install chain link fence in accordance with ASTM F567.
- B. Space line posts equal distant 10' (3.05mm) maximum center to center of posts.
- C. Set terminal posts at beginning and end of each continuous length of fence and where abrupt changes in grade or direction of fence occur (30' or more).
- D. Set posts in concrete. Dig holes having a diameter 4 times the diameter of post, and 6" [152mm] deeper than the bottom of post. Forms are not necessary or recommended. Crown concrete at top to shed water (except for tennis courts).
- E. Check each post for vertical and top alignment.
- F. Securely attach brace rail and truss rod at midpoint of all fences 6' high and over, or any fence without top rail. Adjust rod to insure posts remain vertically plumb after fabric is stretched. One brace per end or gate post. Two braces per corner or pull post.
- G. Tension Wire: install tension wire at bottom of fabric [and at top, if top rail is not specified]. Install tension wire before stretching fabric and attach to each post with ties. Secure tension wire to fabric with 9 gauge [0.148" (3.76mm)] hog rings 24" (610mm) oc. (bottom tension wire is optional).
- H. Top Rail: Install lengths, 21' (6400mm). Connect joints with sleeves for rigid connections for expansion/contraction.
- I. Center rails are to be installed when fence fabric is 12' (3658mm) or higher, or when shown on drawings.
- J. Bottom rails (optional) to be installed when shown on drawings.

Chain Link Fence Fabric Installation

- A. Fabric: Install fabric on security side and attach so that fabric remains in tension after pulling force is released. Leave approximately 2" (50mm) between finish grade and bottom selvage. Attach fabric with wire ties to line posts at 15" (381mm) on center and rails, braces and tension wire at 24" (600mm) on center.
- B. Stretcher Bars: Thread tension bar through fabric and attach to terminal posts with bands spaced maximum of 15" (381mm) on center.

ENGINEERING DEPARTMENT		CITY OF MERCED, CA.	
CHAINLINK FENCE SPECIFICATIONS		F-3	
DRAWN: SER	APPROVED BY: <i>David L. Tucker</i>	DATE: <i>4/4/06</i>	
ENG.			
REVISED 8/10	CITY ENGINEER	SHEET	OF