

- 1. Use Type 1 requirements from chain link fence table unless otherwise specified.
- 2. Set all post in concrete. Set corner, end, and pull posts to the dimensions shown. Set line posts to a minimum depth of 24 inches in concrete. Increase depth by 3 inches for each addtional foot of fence
- 3. Install braces on all terminals on fences without a top rail. No braces are required on fabric 6 feet in height or less where a top rail is specified. Install braces where fabric is over 6 feet in height. Where a top rail is used, attach the brace at the halfway point of the terminal post above grade and, where the rail is omitted, at the two-thirds point above grade. Do not install top rail unless specified in the Special Contract
- 4. Adjust the post top elevations to provide a smooth visual fence profile. Install corner posts at horizontal breaks in the fence at
- 5. If alternate steel posts are used, provide fastening bands, caps, brace rail, rail ends, and truss rod attaching hardware compatible with the post sizes ans styles
- 6. Provide fence fabric with a 2-inch mesh. Use 11-gage wire in fabric heights of 48 inches or less and 9-gage wire in fabric heights greater than 48 inches. Provide Class D coating when zinc-coated steel fence frabric is provided. Knuckle both selvages on fabric less than 72 inches high. For fabric 72 inches or higher, knuckle one selvage and twist the other.
- 7. See Sheet 2 of 2 for hardware and gate

## ALTERNATE STEEL POST

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E619-09
HAIN LINK FENCE AND GATE	SPECIFICATION FP-24
Sheet 1 of 2	APPROVED FOR USE 06/2024

	1	Maximum opening width 36'
HARDWARE ITEM DESCRIPTION	STANDARD REQUIREMENTS	Two narrow single or two wide single leaves with drop rod fork, guide, & base (See Note 2).
Brace rail and top rail	See table on Detail E619-09, Sheet 1 of 2	
Line post	See table on Detail E619-09, Sheet 1 of 2	
Corner; end and pull posts	See table on Detail E619-09, Sheet 1 of 2	
Post cap	Cast non-ferrous alloy or galvanized pressed steel cap must fit snugly on post and gate topa	Drop rod 132.
Line post cap	Galvanized pressed steel minimum " $\frac{3}{32}$ " thickness or galvanized malleable ferrous alloy	
Tension band	Minimum ${}^{3}_{32}$ " x ${}^{5}\!\!{}_{16}$ " galvanized steel	
Brace band	Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel	
Band bolt	Minimum ${}^{5}\!\!{}_{46}$ " x $1{}^{1}\!\!{}_4$ " galvanized carriage bolt, (Lock washer & flat washer for each band)	Install vertical Drop latch
Rail end	<i>Galvanized pressed steel or galvanized malleable ferrous alloy minimum" <sup>3</sup>%" thickness on back bolting appendage</i>	$ \begin{array}{c c} \hline \\ \hline \\$
Brace rail end	Galvanized pressed steel or galvanized malleable ferrous alloy minimum'' $\frac{3}{6}$ '' thickness on back bolting appendage	(min.) DOUBLE LEAF GATE Opening width over 6' to 18'
Truss rod tightener	Minimum ¼'' formed galvanized steel	- Opening width over 6' to 18'
Truss rod	<i><sup>3</sup>%'' galvanized, NC threaded rod, lock washer, &amp; flat washer with two 90° bends opposite of threaded end</i>	
Top rail sleeve	Galvanized steel 0.051'' minimum thickness by 6'' minimum length	
Tension bar	Minimum <sup>3</sup> /16" x <sup>3</sup> /4" galvanized steel	
Fence fabric	2'' diamond mesh fabric, See Note 7 on Detail E619-09, Sheet 1 of 2	Gate /
Tie wires	Minimum 9 gage aluminum with one hooked end	
Coil tension wire	0.177" minimum diameter metalic coated wire	
Gate latch	Minimum $\frac{1}{6}''$ galvanized pressed steel or malleable ferrous alloy. 1 latch per each single gate with bent minimum $\frac{3}{6}''$ attachment bolt, washer & nut.	12" Square or round         concrete block:         36" x12" for opening         widths ≤ 12' (typ.)         42" x 16" for opening
Frame hinge	Minimum $\frac{1}{6}''$ galvanized pressed steel with 2 - $\frac{3}{6}''$ U-bolts, lockwasher & nuts per hinge. Use 2 hinges per gate leaf up to 8' in width and 3 hinges per gate leaf widths greater than 8'.	Install one vertical upright for opening —/ widths > 12 <sup>'</sup> (typ.) widths 8 feet to 16 feet. For opening widths greater than 16 feet, install two vertical uprights. <b>WIDE SINGLE LEAF GATE</b>
Drop rod latch & guide	Minimum $\frac{1}{6}$ " galvanized presed steel. Drop rod guide includes $\frac{3}{6}$ " x 3" carriage bolt with lock washer & nut. Weld drop rod fork to rod & coat with	CHAIN LINK GATE
		POST AND FRAME SIZE AND MASS TABLE
	an approved zinc rich coating.	Steel     Aluminum     Steel
		Minimum yield strength Psi.       GATE LEAF WIDTHS     25,000     25,000       Size and mass
		dia. lbs/ft dia. lbs/ft dia. lbs/ft inch (min.) inch (min.) inch (min.)
		6 feet or less Gate 2.875 4.64 2.875 1.94 2.875 4.64
		Over 12 feet to 18 feet         size         6.625         18.02            CH           Outside frame member         frame         1.900         2.28         1.900         1.900         2.28         NO. SCALE         CH
		Interior bracing member         size         1.660         1.83         1.900         1.660         1.84         NO SCALE

