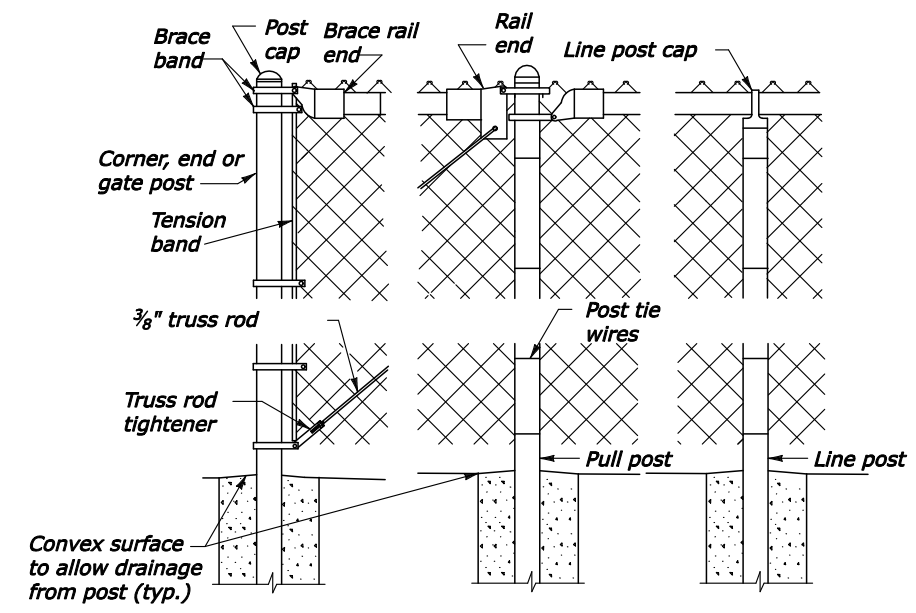


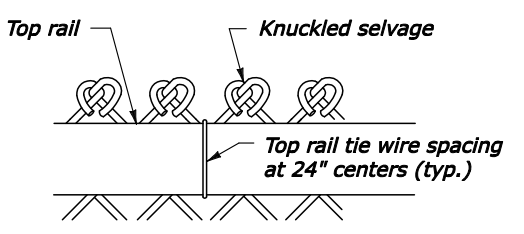
- NOTE:**
1. Metal post and rails shall conform to ASTM F 761.
 2. Set all posts in concrete. Set corner, end, pull posts to the dimensions shown. The minimum depth of concrete for line posts is 24 inches. Increase depth 3 inches for each additional foot inches of fence height over 4 feet.
 3. Adjust the post top elevations to provide a smooth visual fence profile. Install corner posts at horizontal breaks in the fence of 15° or more.
 4. 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 a Class D coating when zinc-coated steel fence fabric is provided. Knuckle both selvages on fabric.
 5. See Detail E619-07 of Sheet 2 for hardware and gate requirements.

CHAIN LINK FENCE

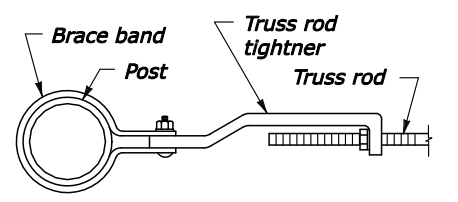


CHAIN LINK DETAIL

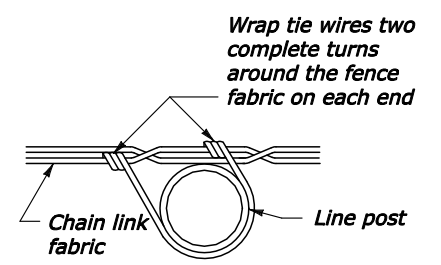
CHAIN LINK FENCE			
POST SIZE AND WEIGHT TABLE			
DESCRIPTION	FENCE HEIGHT	ROUND PIPE	
		Yield strength 25,000 Psi (min.)	dia. inch lbs/ft (min.)
Brace rail & top rail	5 feet or less	1.315	0.740
	6 feet	1.315	0.740
Line post	5 feet or less	1.660	1.107
	6 feet	1.900	1.273
End, corner & pull post	5 feet or less	1.400	1.273
	6 feet	2.375	1.603



WIRE SELVAGE DETAIL



TRUSS ROD TIGHTENER DETAIL



CHAIN LINK FENCE TIE DETAIL

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL



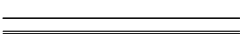













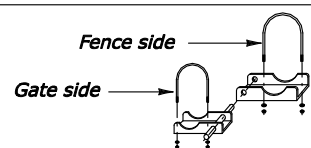
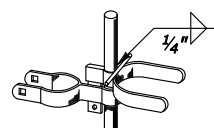
RESIDENTIAL CHAIN LINK FENCE

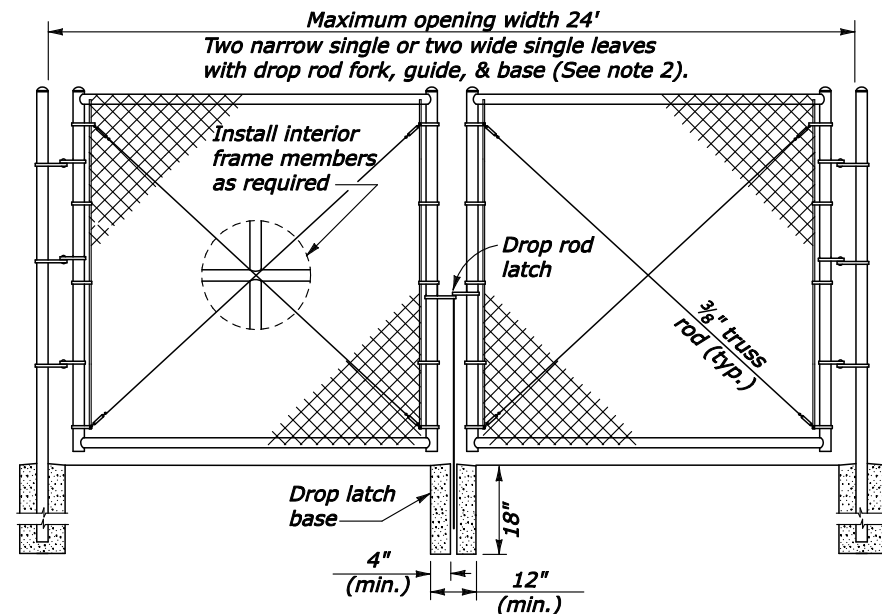
Sheet 1 of 2

DETAIL APPROVED FOR USE
 REVISIONS: 3/08

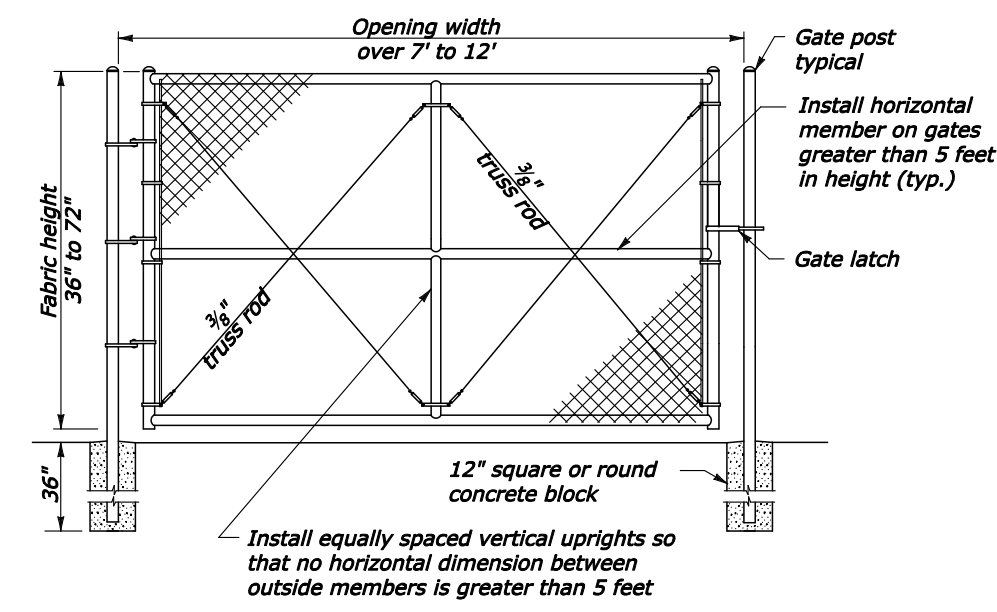
DETAIL
 E619-07

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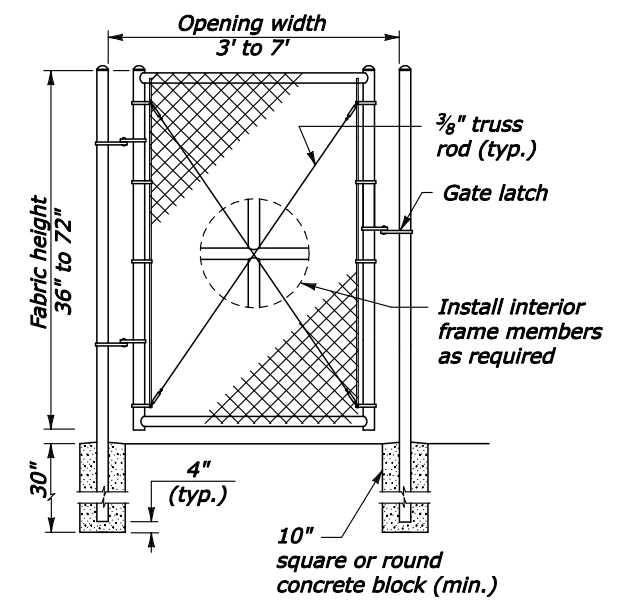
HARDWARE ITEM DESCRIPTION	STANDARD REQUIREMENTS
Brace rail and top rail 	See table on Detail E619-09
Line post 	See table on Detail E619-09
Corner, end and pull posts 	See table on Detail E619-09
Post cap 	Cast non-ferrous alloy or galvanized pressed steel cap must fit snugly on post and gate top
Line post cap 	Galvanized pressed steel minimum $\frac{3}{32}$ " thickness or galvanized malleable ferrous alloy
Tension band 	Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel
Brace band 	Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel
Band bolt 	Minimum $\frac{5}{16}$ " x $1\frac{1}{4}$ " galvanized carriage bolt, (Lock washer & flat washer for each band)
Rail end 	Galvanized pressed steel or galvanized malleable ferrous alloy minimum $\frac{3}{8}$ " thickness on back bolting appendage
Brace rail end 	Galvanized pressed steel or galvanized malleable ferrous alloy minimum $\frac{3}{8}$ " thickness on back bolting appendage
Truss rod tightener 	Minimum $\frac{1}{4}$ " formed galvanized steel
Truss rod 	$\frac{3}{8}$ " galvanized, NC threaded rod, lock washer, & flat washer with two 90° bends opposite of threaded end
Top rail sleeve 	Galvanized steel 0.051" minimum thickness by 6" minimum length
Tension bar 	Minimum $\frac{3}{16}$ " x $\frac{3}{4}$ " galvanized steel
Fence fabric 	2" diamond mesh fabric, See note no. 4 on Detail E619-07 of Sheet 1
Tie wires 	Minimum 9 gage aluminum with one hooked end
Gate latch 	Minimum $\frac{1}{8}$ " galvanized pressed steel or malleable ferrous alloy. 1 latch per each single gate with bent minimum $\frac{3}{8}$ " attachment bolt, washer & nut.
Frame hinge  Fence side Gate side	Minimum $\frac{1}{8}$ " galvanized pressed steel with 2 - $\frac{3}{8}$ " 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'.
Drop rod latch & guide 	Minimum $\frac{1}{8}$ " galvanized pressed steel. Drop rod guide includes $\frac{3}{8}$ " x 3" carriage bolt with lock washer & nut. Weld drop rod fork to rod & paint with an approved zinc rich paint.



DOUBLE LEAF GATE



WIDE SINGLE LEAF GATE



NARROW SINGLE LEAF GATE

NOTE:

1. Reinforce the gate frame corners with a malleable iron or pressed steel fitting designed for the purpose or shop weld the corners. Grind smooth all welds and paint with an approved zinc rich paint. Furnish each gate with the necessary hinges, latch, and drop rod locking device designed for the type of gate posts and gate used on the project. Provide positive type latching devices with provisions for pad locking at all gates. Provide keepers to retain the gate in the open position.
2. Approved alternate gate frames constructed of steel sections, other than pipe, may be used.
3. The design of the chain link hardware may vary from the details shown, however, all hardware and materials used in a single installation shall be uniform and compatible.

GATE LEAF WIDTHS		CHAIN LINK GATE POST AND FRAME SIZE AND MASS TABLE							
		Minimum yield strength 25,000 Psi.							
		ROUND TUBING				SQUARE TUBING			
		Steel		Aluminum		Steel		Aluminum	
		dia. inch	lb/ft (min.)	dia. inch	lb/ft (min.)	dia. inch	lb/ft (min.)	dia. inch	lb/ft (min.)
4 feet or less	Gate	1.90	1.257	1.90	0.866	2x2	2.35	2x2	0.94
Over 4 feet to 7 feet	post	2.375	2.135	2.375	1.260	2.5x2.5	2.728	2.5x2.5	1.265
Over 7 feet	size	2.375	3.117	2.375	2.00	2.5x2.5	3.882	2.5x2.5	2.904
Outside frame member	frame	1.315	0.866	1.315	0.435	1.25x1.25	1.048	1.25x1.25	0.576
Interior bracing member	size	1.315	0.866	1.315	0.435	1.25x1.25	1.048	1.25x1.25	0.576

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

RESIDENTIAL CHAIN LINK HARDWARE AND GATE

Sheet 2 of 2

DETAIL APPROVED FOR USE

REVISID: 3/08

DETAIL E619-07