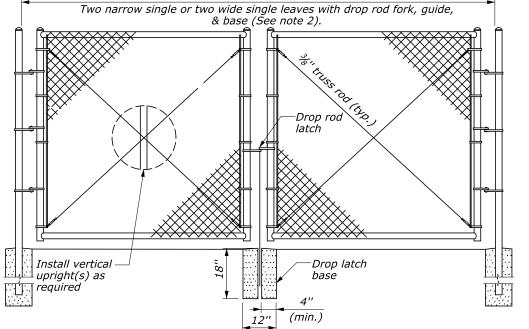


HARDWARE ITEM DESCRIPTION	STANDARD REQUIREMENTS				
Brace rail and top rail	See table on Detail E619-09				
Line post	See table on Detail E619-09				
Corner; end and pull posts	See table on Detail E619-09				
Post cap	Cast non-ferrous alloy or galvanized pressed steel cap must fit snugly on post and gate topa				
Line post cap	Galvanized pressed steel minimum " ¾2" thickness or galvanized malleable ferrous alloy				
Tension band	Minimum $\frac{3}{32}$ " x $\frac{5}{16}$ " galvanized steel				
Brace band	Minimum ¾2" x ¾6" galvanized steel				
Band bolt	Minimum $rac{5}{16}$ " x $1rac{1}{4}$ " galvanized carriage bolt, (Lock washer & flat washer for each band0				
Rail end	Galvanized pressed steel or galvanized malleable ferrous alloy minimum" 3/6" thickness on back bolting appendage				
Brace rail end	Galvanized pressed steel or galvanized malleable ferrous alloy minimum'' ¾'' thickness on back bolting appendage				
Truss rod tightener	Minimum ½" formed galvanized steel				
Truss rod	3%" 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				
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.				
Frame hinge	Minimum ½" galvanized pressed steel with 2 - ½" 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 ½" galvanized presed steel. Drop rod guide includes ½" x 3" carriage bolt with lock washer & nut. Weld drop rod fork to rod & paint with an approved zinc rich paint.				



Maximum opening width 36'

greater than 16 feet, install two vertical

uprights.

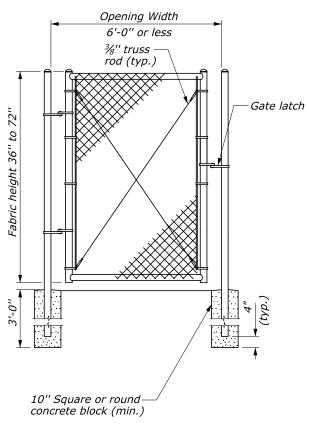
CHAIN LINK GATE								
POST AND FRAME SIZE AND MASS TABLE								
	ROUND PIPE							
		St	eel	Aluminum		Steel		
		Minimum yield strength Psi.						
GATE LEAF WIDTHS		25,000		25,000		50,000		
		Size and mass						
		dia. inch	lbs/ft (min.)	dia. inch	lbs/ft (min.)	dia. inch	lbs/ft (min.)	
6 feet or less	Gate	2.875	4.64	2.875	1.94	2.875	4.64	
Over 6 feet to 12 feet	post	4.000	8.65	4.000	2.99	4.000	6.56	
Over 12 feet to 18 feet	size	6.625	18.02					
Outside frame member	frame	1.900	2.28	1.900	1.900	1.900	2.28	
Interior bracing member	size	1.660	1.83	1.900	1.900	1.660	1.84	

NOTES:

1. Reinforce the gate frame corners with a malleable iron or pressed steel fitting malleable iron or pressed steel fitting designed for the purpose or shop weld the corners. Grind smooth all welds and paint each gate with the necessary hinges, latch, and drop rod locking device design for the type of gate posts and 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.

PROJECT

- 2. Approved alternate gate frames constructed of steel section, 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.



NARROW SINGLE LEAF GATE

NO SCALE

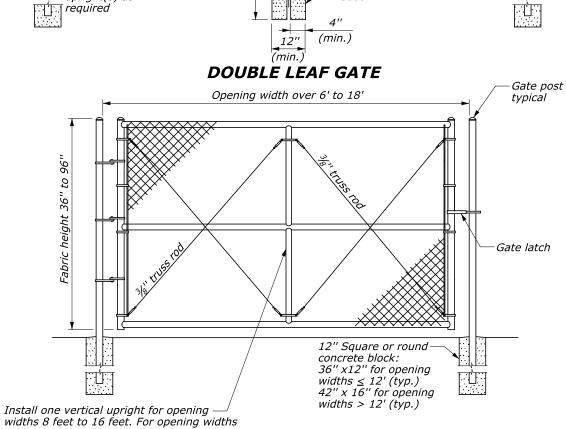
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

CHAIN LINK HARDWARE AND GATE

Sheet 2 of 2

DETAIL APPROVED FOR USE DETAIL APPROVED : MAY 2011 E619-09



WIDE SINGLE LEAF GATE