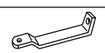
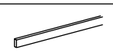
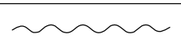
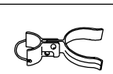
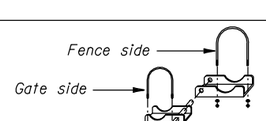
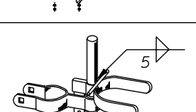
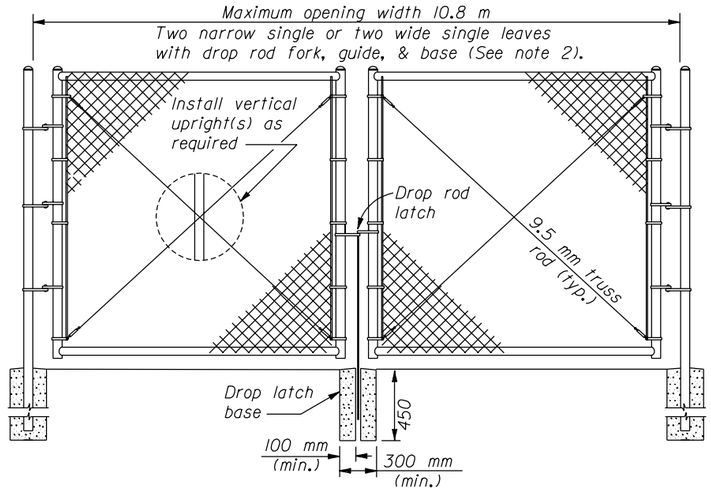
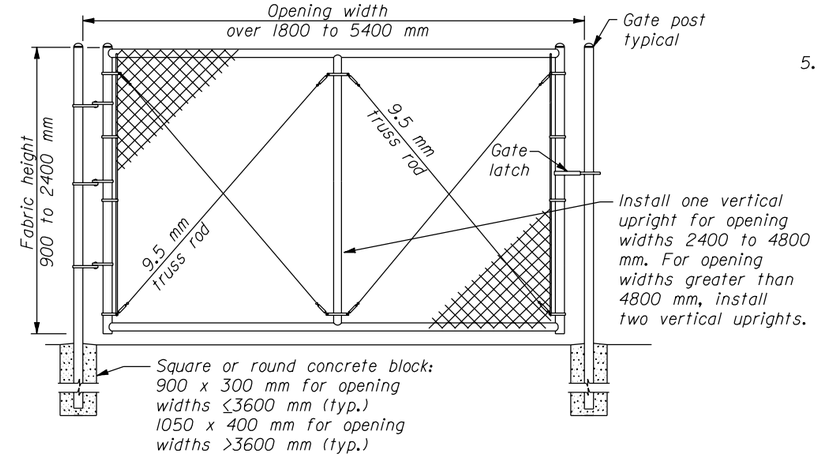
STATE	PROJECT	SHEET NUMBER

HARDWARE ITEM DESCRIPTION		STANDARD REQUIREMENTS
Brace rail and top rail		See table on Detail WM619-22
Line post		See table on Detail WM619-22
Corner, end and pull posts		See table on Detail WM619-22
Post cap		Cast non-ferrous alloy or galvanized pressed steel cap must fit snuggly on post and gate top
Line post cap		Galvanized pressed steel minimum 2.38 mm thickness or galvanized mallable ferrous alloy
Tension band		Minimum 3.18 x 75 mm galvanized steel
Brace band		Minimum 3.18 x 75 mm galvanized steel
Band bolt		Minimum M10 x 45 mm galvanized carriage bolt, (Lock washer & flat washer for each band)
Rail end		Galvanized pressed steel or galvanized mallable ferrous alloy minimum 9.53 mm thickness on back bolting appendage
Brace rail end		Galvanized pressed steel or galvanized mallable ferrous alloy minimum 9.53 mm thickness on back bolting appendage
Truss rod tightner		Minimum 9.52 mm formed galvanized steel
Truss rod		9.5 mm galvanized, nc threaded rod, lock washer, & flat washer with two 90° bends opposite of threaded end
Top rail sleeve		Galvanized steel 1.30 mm minimum thickness by 150 mm minimum length
Tension bar		Minimum 4.76 x 75 mm galvanized steel
Fence fabric		50 mm diamond mesh fabric, See note no. 8 on Detail WM619-22
Tie wires		Minimum 3.76 mm aluminum with one hooked end
Coil tension wire		4.50 minimum diameter metallic coated wire
Gate latch		Minimum 3.18 mm galvanized pressed steel or mallable ferrous alloy. 1 latch per each single gate with bent minimum M10 attachment bolt, washer & nut.
Frame hinge		Minimum 3.18 mm galvanized pressed steel with 2 - M10 U-bolts, lockwasher & nuts per hinge. Use 2 hinges per gate leaf up to 2400 mm in width and 3 hinges per gate leaf widths greater than 2400 mm.
Drop rod latch & guide		Minimum 3.18 mm galvanized pressed steel. Drop rod guide includes M10 x 75 mm carriage bolt with lock washer & nut. Weld drop rod fork to rod & paint with an approved zinc rich paint.



DOUBLE LEAF GATE



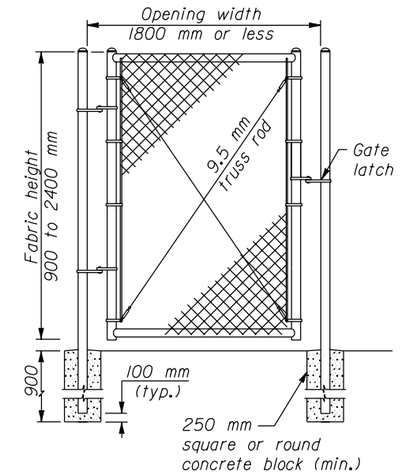
WIDE SINGLE LEAF GATE

CHAIN LINK GATE POST AND FRAME SIZE AND WEIGHT TABLE		ROUND PIPE					
		Steel		Aluminum		Steel	
		Minimum yield strength Mpa.					
		172		172		345	
		Size and mass					
GATE LEAF WIDTHS		dia. mm	kg/m (min.)	dia. mm	kg/m (min.)	dia. mm	kg/m (min.)
1800 mm or less	Gate	7.30	6.91	7.30	2.89	7.30	6.91
Over 1800 to 3600 mm	post	10.16	12.87	10.16	4.45	10.16	9.76
Over 3600 to 5400 mm	size	16.83	26.82	---	---	---	---
Outside frame member	frame	4.83	3.39	4.83	1.35	4.83	3.39
Interior bracing member	size	4.22	2.72	4.83	1.35	4.22	2.74

NO SCALE

NOTE:

1. All dimensions on this drawing are in millimeters.
2. 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.
3. Approved alternate gate frames constructed of steel sections, other than pipe, may be used.
4. The design of the chain link hardware may vary from the details shown, however, all hardware and materials used in a single installations shall be uniform and compatible.
5. Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.



NARROW SINGLE LEAF GATE

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

METRIC DETAIL

CHAIN LINK HARDWARE AND GATE

DETAIL APPROVED FOR USE 3/1996

REVISED:

DETAIL WM619-23

13 DEC 2000

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