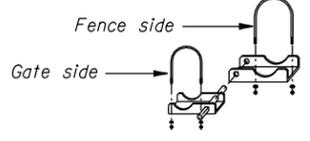
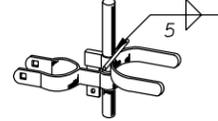
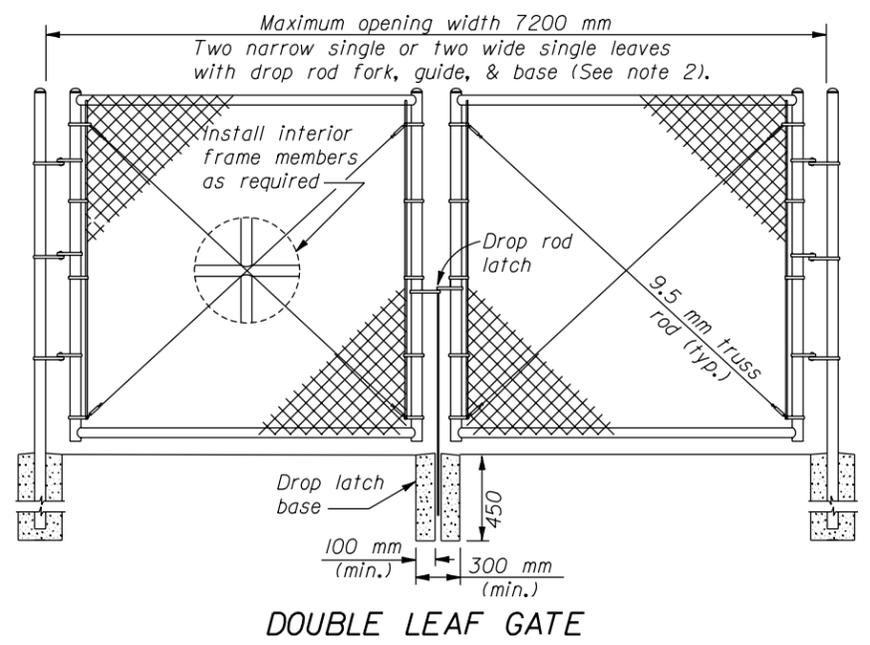
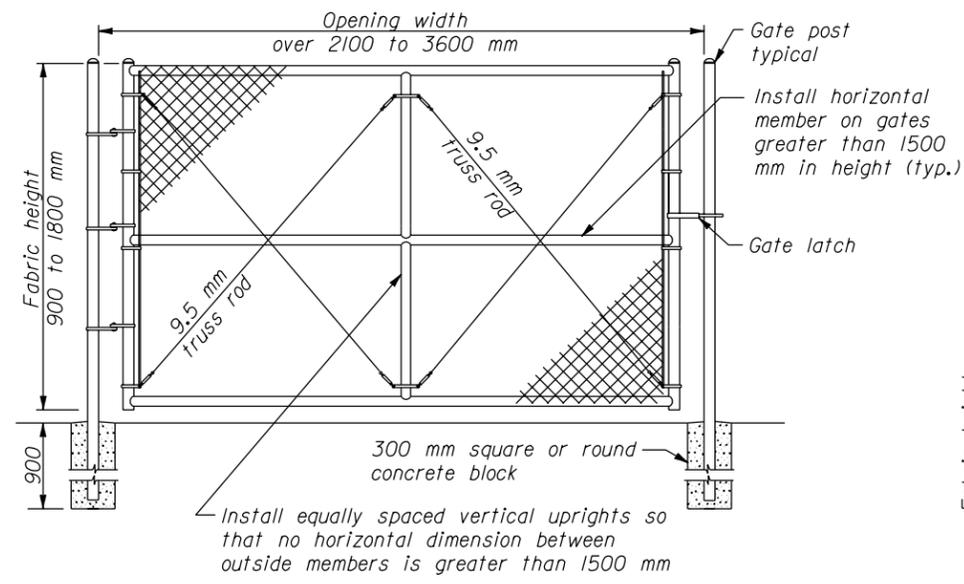


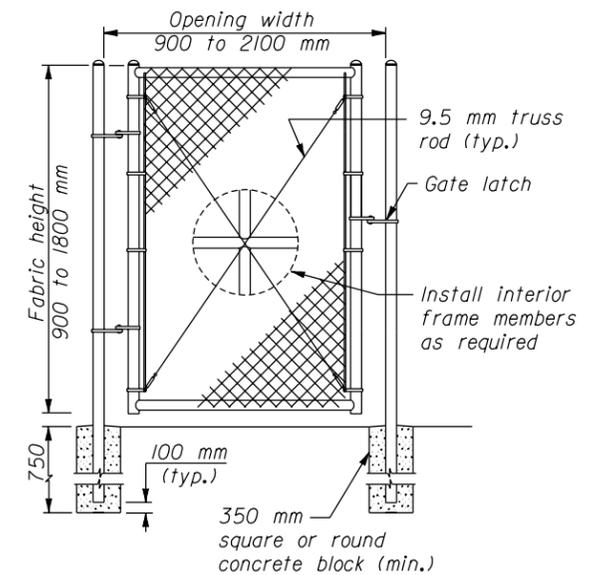
| HARDWARE ITEM DESCRIPTION  | STANDARD REQUIREMENTS   |
|--|---|
| Brace rail and top rail     | See table on Detail WM619-20  |
| Line post                   | See table on Detail WM619-20  |
| Corner, end and pull posts  | See table on Detail WM619-20  |
| Post cap                    | Cast non-ferrous alloy or galvanized pressed steel cap must fit snugly on post and gate top   |
| Line post cap               | Galvanized pressed steel minimum 2.38 mm thickness or galvanized malleable ferrous alloy  |
| Tension band                | Minimum 2.38 x 75 mm galvanized steel   |
| Brace band                  | Minimum 2.38 x 75 mm galvanized steel   |
| Band bolt                   | Minimum M8 x 32 mm galvanized carriage bolt, (Lock washer & flat washer for each band)  |
| Rail end                    | Galvanized pressed steel or galvanized malleable ferrous alloy minimum 9.53 mm thickness on back bolting appendage  |
| Brace rail end              | Galvanized pressed steel or galvanized malleable ferrous alloy minimum 9.53 mm thickness on back bolting appendage  |
| Truss rod tightener        | Minimum 6.4 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. 5 on Detail WM619-20  |
| Tie wires                 | Minimum 3.76 mm aluminum with one hooked end  |
| Gate latch                | Minimum 3.18 mm galvanized pressed steel or malleable 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**



**NARROW SINGLE LEAF GATE**

| CHAIN LINK GATE                    |       |                                 |             |          |             |               |             |          |             |
|------------------------------------|-------|---------------------------------|-------------|----------|-------------|---------------|-------------|----------|-------------|
| POST AND FRAME SIZE AND MASS TABLE |       |                                 |             |          |             |               |             |          |             |
| GATE LEAF WIDTHS                   |       | Minimum yield strength 172 Mpa. |             |          |             |               |             |          |             |
|                                    |       | ROUND TUBING                    |             |          |             | SQUARE TUBING |             |          |             |
|                                    |       | Steel                           |             | Aluminum |             | Steel         |             | Aluminum |             |
|                                    |       | dia. mm                         | kg/m (min.) | dia. mm  | kg/m (min.) | dia. mm       | kg/m (min.) | dia. mm  | kg/m (min.) |
| 1200 mm or less                    | Gate  | 4.83                            | 1.87        | 4.83     | 1.29        | 50x50         | 3.50        | 50x50    | 1.40        |
| Over 1200 to 2100 mm               | post  | 6.03                            | 3.18        | 6.03     | 1.88        | 64x64         | 4.06        | 64x64    | 1.88        |
| Over 2100 mm                       | size  | 6.03                            | 4.64        | 6.03     | 2.98        | 64x64         | 5.78        | 64x64    | 4.32        |
| Outside frame member               | frame | 3.34                            | 1.29        | 3.34     | 0.65        | 32x32         | 1.56        | 32x32    | 0.86        |
| Interior bracing member            | size  | 3.34                            | 1.29        | 3.34     | 0.65        | 32x32         | 1.56        | 32x32    | 0.86        |

- NOTE:**
- Dimensions not labeled are in millimeters.
  - 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.
  - Approved alternate gate frames constructed of steel sections, other than pipe, may be used.
  - 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.
  - Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.

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

**METRIC DETAIL**

**RESIDENTIAL CHAIN LINK HARDWARE AND GATE**

DETAIL APPROVED FOR USE 3/1996

REVISID: \_\_\_\_\_

DETAIL WM619-21

NO SCALE

f:\standrow\metric\details\wm61921.dgn 13 DEC 2000