

PART 1 GENERAL**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying for landscape fences and gates. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements

- .1 Fences/Gates are subject to review and approval by the DRC Committee.
- .2 Downtown Campus
 - .1 Wrought Iron Fences/Gates
 - .1 The use of wrought iron fences is preferred, particularly for the Lower Campus.
 - .2 The style should match that which is already found on site, including height.
 - .3 The mixed use of wrought iron and cement or stone is also possible, if the fence is part of a retaining wall.
 - .4 The repair or replacement of an existing fence/gate (or part thereof) must be done with a similar, if not identical design, but also using methods to ensure a long-lasting product (galvanising, paint, etc.).
 - .2 Chain-link fences
 - .1 Should only be used in low-profile area, subject to approval by the DRC Committee.
 - .3 Wood fences
 - .1 Are generally not appropriate, but can be considered for specific areas, based on context and subject to approval by the DRC Committee.
- .3 MacDonald campus
 - .1 Wrought Iron Fences/Gates
 - .1 The use of iron ornamental fences shall depend on the context and is preferred for high-profile areas. The style should match that which is already found on site, including height.
 - .2 Campus south of Highway 20 - Chain link or wood fences may be considered for the following
 - .1 Low-profile areas or laneways.
 - .2 Temporary installations (less than one year).
 - .3 Sports facilities (see below).
 - .3 Campus north of Highway 20 (Macdonald Farm)
 - .1 Exercise Yard Fence
 - .1 Cedar posts with bark peeled off installed 8' apart on centre and minimum 3' deep

- .1 6" diameter, 8' long
- .2 Corner and gate posts minimum 8" diameter, 9' long and installed 4' deep
- .3 Brace posts for corners: 6" diameter X 8' long if horizontal; 12' long if diagonal
- .2 Farm page wire
 - .1 12.5 gauge, 5' high
 - .2 "Pages" or squares 2" X 4"
- .3 Heavy duty gates
 - .1 Painted steel with horizontal slats & wheel at end to facilitate opening & closing
 - .2 Minimum 12' width – 14' to permit entry of tractor and mower
- .4 High tensile electric fence wire should be strung on the inside of the fence as an added protection.
- .2 Pasture Fence
 - .1 Posts
 - .1 Cedar posts with bark peeled off installed 24' apart and minimum 3' deep with 2 steel "T" posts installed at 8' intervals between cedar posts
 - .1 Cedar posts 6" diameter, 8' long
 - .2 T posts heavy gauge, 8' long
 - .3 Corner and gate posts minimum 8" diameter, 9' long and installed 4' deep
 - .2 Galvanized steel posts, 3 ½" diameter, 8' long, minimum 3' deep installed 24' apart with 2 steel "T" posts installed at 8' intervals between galvanized posts
 - .1 Corner and gate posts of galvanized steel 4' diameter or larger, minimum 3' deep encased in cement
 - .2 Farm page wire
 - .1 12.5 gauge, 5' high
 - .2 Pages or squares 6" square or 6"X8"
 - .3 Heavy duty gates
 - .1 Painted steel with horizontal slats & wheel at end to facilitate opening & closing
 - .2 Minimum 14' to permit entry of tractor and mower
 - .3 Option of using two gates with galvanized frame and page wire

- .4 High tensile electric fence wire should be strung on the inside of the fence as an added protection.
- .3 Traditional Board Fence
 - .1 Appropriate in areas highly visible to the public.
 - .2 Posts
 - .1 Cedar posts with bark peeled off installed 10' apart on centre and minimum 3' deep
 - .2 6" diameter, 8' long
 - .3 Corner and gate posts minimum 8" diameter, 9' long and installed 4' deep
 - .3 4 rows of rough-cut 2X6 hemlock planks 10' in length installed with lag bolts, NOT nails.
 - .4 Posts and planks to be stained, NOT painted. Should be stained with two coats when dry (and not "green").
 - .5 Heavy duty gates
 - .1 Painted steel with horizontal slats & wheel at end to facilitate opening & closing
 - .2 Minimum 12' width – 14' to permit entry of tractor and mower
 - .6 High tensile electric fence wire should be strung on the inside of the fence as an added protection.

PART 2 PRODUCTS

2.1 General

- .1 Wrought Iron Fences/Gates
 - .1 Refer to section **05 50 00** Metal Fabrication.
 - .2 Finishing shall be galvanised, painted with powder-coated paint.
 - .1 Colour: RAL #9005
 - .2 Refer to section **09 91 13** Exterior paint, for prescriptions.
- .2 Chain Link Fences/Gates
 - .1 Chain link fences must meet commercial standards. Residential standards are not acceptable.
 - .2 Mesh must be galvanized before weaving (GBW).
 - .3 Non sport fields settings:
 - .1 Wire gauge must be 9.
 - .2 Wire must be vinyl coated, Class 2B fused and bonded.
 - .1 Colour: Black

- .3 Fence posts and structure must be powder coat painted
 - .1 Refer to **09 91 13** Exterior Painting, for powder coat specifications.
 - .2 Colour: RAL #9005.
- .4 Mesh size: 50mm
- .4 Sport fields settings:
 - .1 Wire gauge must be 6 when located near high-impact areas. For example, near home plate, behind a goal, etc.
 - .2 Wire gauge must be 9 when located in low-impact areas.
 - .3 Mesh size:
 - .1 Tennis: 38mm
 - .2 Other sports: 50mm
- .3 Wood Fences
 - .1 Wood fences should be stained, not painted, with two coats when dry (and not “green”).
 - .2 Refer to McGill’s Building Design Standards – Landscape, for information regarding wood procurement.

END OF SECTION