



Main Street Renewal

Street Furnishing Selections
& Product Information Sheets

Main Street (Echo Drive to the Rideau River),
Lees Avenue (Main Street to Chestnut Street), and
Rideau River Drive (Main Street to 130m south of Main Street)

Draft, November 12, 2013

Overview

The City and its design team are progressing with the detailed design of Main Street between Echo Drive and the George McIlraith Bridge. The selection of street lighting and street furnishings is an important activity. The design objective is for these elements to work as an integrated “family” which together will influence the visual environment of the corridor and help to bind the various character areas together.

Main Street between Echo Drive and Clegg Street is designated as a “Traditional Main Street” in the Official Plan. As such, this sector is to be embellished with a high standard and variety of street furnishings. This special designation does not apply to Main Street between Clegg Street and the George McIlraith Bridge. However, opportunities to tie the two sectors together are to be pursued.

This document presents the street light configuration that has been selected by the City based on input of the Main Street Renewal Working Group, and also presents a family of street furnishings that are intended to work in harmony.

Street Lighting Selections

Main Street (North Sector - Echo to Clegg):

The City has selected a combination of tall-mount and pedestrian level lights for this designated Traditional Mainstreet sector which is eligible for “Special Area” lighting under the City of Ottawa’s *Right of Way Lighting Policy*. The selections include:

Tall-mount Lights: *Philips Gardco Gullwing*



Pedestrian-Level Lights: *Selux Quadro 1*



The Special Area lighting policy enables the pedestrian-level lights to be installed in Black, Silver, Grey, Green, or Bronze colours. The design team is recommending **black** so that they match the tall-mount lights however it is also recommended that accompanying street furnishings be installed with distinctive colour (bronze is recommended), to add variety to the visual environment.

Main Street (South Sector - Clegg to Bridge):

Since this sector is not eligible for Special Area lighting, and considering the objective of creating a visual consistency along the entirety of Main Street, the Philips Gardco Gullwing has been selected for that area too, as well as across the George McIlraith Bridge.

Pedestrian-level lights are not provided.

Associated Street Elements

The Main Street Renewal project has a requirement for a range of street elements. Between Echo Drive and Clegg Street, a greater variety of elements can be installed, in accordance with its Traditional Mainstreet designation:

Echo to Clegg

- Bollard (Type 1 – At bulb outs and accent areas)
- Bollard (Type 2 – At bus stops, to provide separation from cycle track)
- Bench (Type 1 - Distinctive)
- Bike Rack (Post and Ring)
- Recycling Unit (All-in-One)
- Sidewalk (Type 1 - Interlocking Pavers)
- Sidewalk (Type 2 - Interlocking Pavers Beside Cycle Track)
- Decorative Fencing (Accent areas)

Clegg to McIlraith Bridge

- Bollard (Type 2 – At bus stops, to provide separation from cycle track)
- Bench (Type 2 - Standard)
- Bike Rack (Post and Ring)
- Recycling Unit (All-in-One)
- Sidewalk (Concrete)

Product Information Sheets


A series of product information sheets for both the selected street lighting and the recommended street furnishings are attached.

The pedestrian lights are shown in black, as recommended by the design team. The street furnishings illustrate the bronze colour that is recommended.


SERVICE

City Standard

Tall-Mount Light: Philips Gardco Gullwing G18

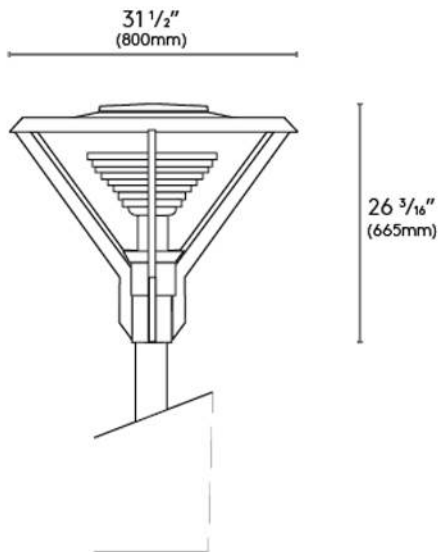
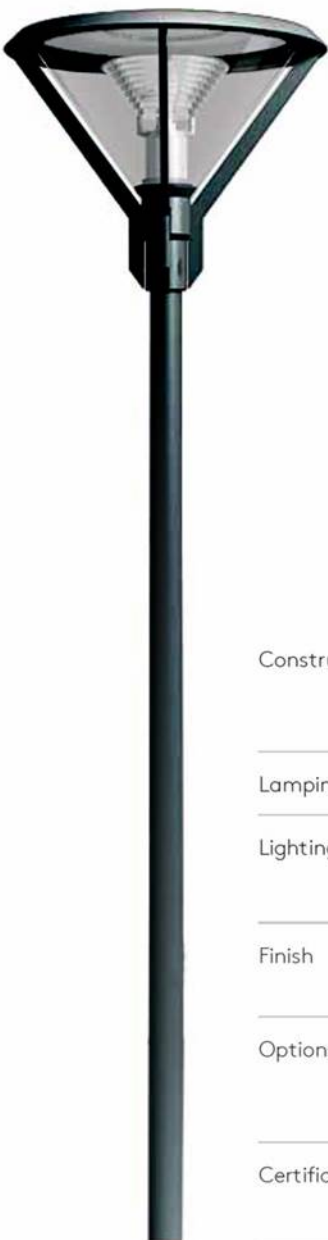


Toolless access for installation and service is a Gardco trademark. Gullwing™ improves on the tradition with a quick entry door handle that provides complete access to the luminaire's optical, electrical and mounting hardware systems. The latch firmly engages as the door is closed, creating a weather-tight seal by compressing the perimeter gasketing.



For safety and ease of relamping, a heavy gauge lanyard on the G18 and G13 secures the door frame in a semi-open position. A quick release is provided to allow the door to swing down, so that the optical assembly can be lowered.

Pedestrian-Level Light: Selux Quadro 1



Construction

Die-cast and formed, low-copper aluminum construction with stainless steel fasteners · One-piece UV-stabilized polycarbonate globe · Completely sealed optical chamber

Lamping

Lamping 39-150W HID

Lighting

Type III



Type IV



Type V



Finish

Multi-step cleaning and sealing process · Tiger Drylac certified polyester powder coat finish

Black

Options

House Side Shield · Fuse Option · Photocell · Single, double or wall mounting · 5 shielding options for unparalleled visual appearance and performance

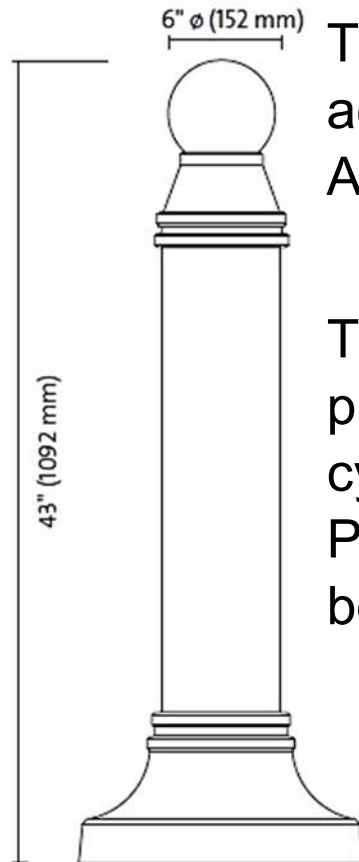
Certificates





LUMINAIRES

Conform to the UL 1598 and CSA C22.2 No. 250.0-08 standards



Type 1 (At bulb outs and
accent areas):
As Shown

Type 2 (At bus stops, to
provide separation from
cycle track):
Pole only, no top or
bottom ornament

BORAM6-DSH

BORAM6-DSH

Base

Made from a 6 5/8" (168mm) round extruded (6061-T6) aluminum tubing base with a 0.135" (3.4mm) wall thickness, welded to both the bottom and top of the anchor plate.

Base Cover

Two pieces round base cover made from cast aluminum (356), mechanically fastened with stainless steel screws.

http://www.lumec.com/pdf/series/Bollard_series.pdf

Bollard (Type 1)



Bollard (Type 2)



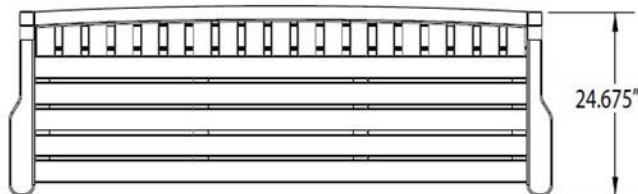


MAGLIN^{TM*}

Bench (Type 1 - Distinctive)

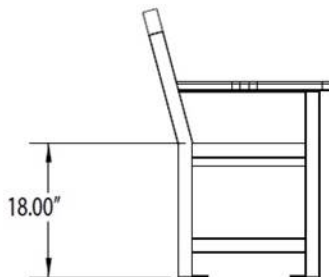
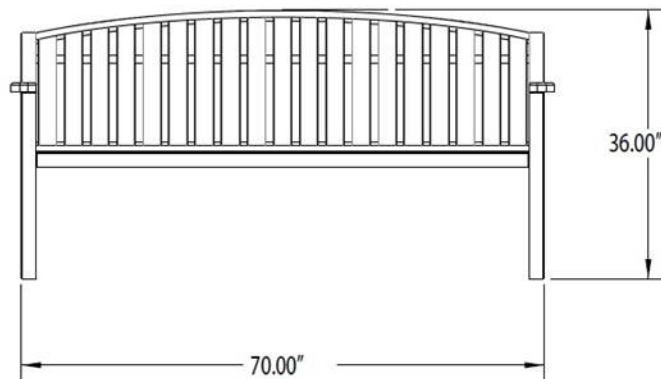
MLB450 SERIES

- MATERIALS:** Bench frame is made from H.S. steel tube and flat bar. The seat and back employ Ipe wood slats, or recycled plastic slats.
- FINISH:** All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces. Wood slats are finished with penetrating sealers.
- INSTALLATION:** The bench is delivered pre-assembled. Holes (0.5") are provided in each foot for securing to base.
- TO SPECIFY:** Select MLB450
Choose:
- Ipe (MLB450-W)
- Recycled Plastic
 - MLB450-RC (Cedar)
 - MLB450-RS (Sand)
 - MLB450-RG (Grey)
- Powdercoat Color **Bronze**
- OPTIONS:**
- Plaques
- Skate Deterrent



DIMENSIONS:

Height: 36.00" (91.44 cm)
Length: 70.00" (177.8 cm)
Depth: 24.675" (62.7 cm)
Seat: 18.00" (45.7 cm)
Weight: 131 lbs (59kg)



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Bench (Type 1 - Distinctive)



MAGLIN™

MLB450W
BENCH / BANC



Bench (Type 2 - Standard)


1 800 653 1222

Nicolet

CATEGORIES

1. Ash Urns
2. Benches
3. Litter & Recycling
4. Ash & Trash
5. Tables
6. Wheelchair Access Tables
7. Planters
8. Bike Racks
9. Needle Collection Kiosks
10. Memorial - Dedication Plaques
11. Dog Waste BAGS
12. Sof-Trak
13. Projects



 [Click to enlarge](#)

MODEL: #194110

QUOTE:

To get a current price, please call us OR click the Get Quote button below.

GET A QUOTE

DETAILS:

This has been the top seller year after year.

Features

- Steel structure coated with Infiniguard Professional anti-corrosion system
- 2" x 3" recycled plastic slats and 2" x 3" bullnose profile
- Flat steel seat reinforcement, 3/8" x 2"
- Chameleon hardware

Dimensions

- 71-1/2" x 21-7/16" x 31-13/16"

Weight

- 170 lbs

Installation

- Surface mount
- In-ground mount

Options

- Stainless steel anti-theft anchors
- Stainless steel anti-theft hardware
- Armrests
- Option of flat legs (as seen) or tubular legs

UltimateBackyard 



Bench (Type 2 - Standard)



*Shown with optional armrests
and custom concrete foot



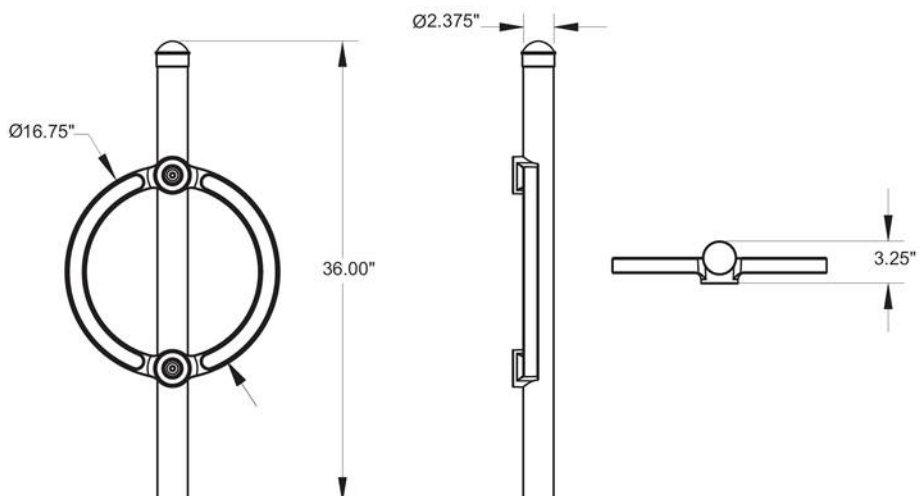
MAGLIN™

Bike Rack (Post and Ring)

MBR200 SERIES

- MATERIALS:** The bike rack is constructed using galvanized H.S. steel tube and an aluminum casting. Custom raised lettering is available.
- FINISH:** The bike rack uses a galvanized post with a natural finish on the aluminum ring casting. The Maglin Powdercoat finish is also available.
- INSTALLATION:** The bike rack is delivered pre-assembled. It is available with either a surface mount or direct burial installation option.
- TO SPECIFY:** Select MBR200 Series
Choose:
- Powdercoat Color Bronze
 - Direct Burial (MBR200-DB)
 - Surface Mount (MBR200-S)
 - Natural Aluminum/Galvanized Finish
 - Direct Burial (MBR200-DB-G)
 - Surface Mount (MBR200-S-G)
- OPTIONS:** - Personalization

- DIMENSIONS:**
- Height: 36.00" (91.44 cm)
 - Diameter: 16.75" (42.5 cm)
 - Direct Burial: 18.00" (45.7 cm) Below Grade
 - Weight: 19.0lbs (8.6kg)



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Bike Rack (Post and Ring)





MAGLIN™

Recycling Unit (All-in-One)

MRC | 403

MATERIALS: The recycling station frame is made using 95% recycled aluminum. Sustainable components such as HDPE plastic, high density paper composite (HDPC) or Steel are used for the sides and door panels. Three - 23 gallon commercial grade plastic liners and a stainless steel top are provided.

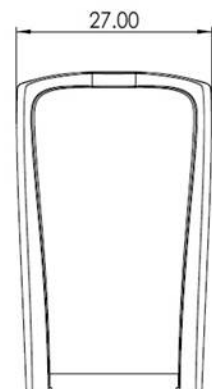
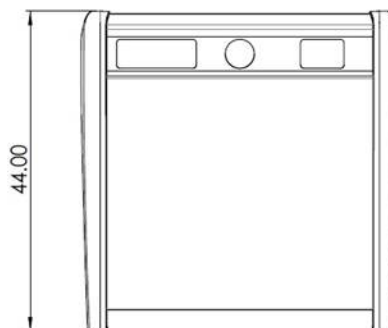
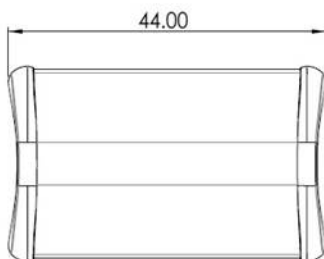
FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The recycling station is delivered pre-assembled. Holes (0.5") are provided in each mounting foot for securing to base.

TO SPECIFY: Select MRC1403
Choose:

- Side/Door panels
 - HDPC (MRC1403-PC)
 - Color - Dark Brown, Charcoal
 - HDPE Plastic (MRC1403-P)
 - Color - Grey, Black, Brown
 - Steel (MRC1403-MS) Bronze
 - Powdercoat color
- Faceplate colour (Black or Green)

DIMENSIONS: Height: 44.00" (111.8 cm)
Weight: 125lbs (56.7kg)
Liner Capacity: 3 x 23.0 Gallons
3 x 87 Litres



Recycling Unit



Sidewalk Interlocking Paver (Type 1): Unilock Promenade Plank Pavers

The long and narrow design of our new Promenade™ Plank Paver series facilitates a linear laying pattern resulting in a finished and sleek appearance to complement current architectural design trends. Manufactured using the most advanced techniques and technologies EnduraColor™ Plus, they are ideal for the most demanding commercial applications. The Promenade Plank Paver series is available in a variety of Unilock Select finishes such as Umbriano®, Il Campo®, Belpasso® and Series 3000®.

Important: Promenade™ Plank Paver is not inventoried but is produced on demand for your project. For samples and additional information call 1-800-UNILOCK.



Shapes & Sizes

Colour:
Conestoga



4" x 16" x 10cm
41.0 x 10.0 x 10.0cm
16.0" x 3.9" x 3.9"



commercial.unilock.com

Sidewalk Interlocking Paver (Type 2 - Beside Cycle Track): Transpavé Boulevard 300

POTENTIAL APPLICATIONS OF TRANSPAVÉ URBAN PAVERS (CONT'D)

SEE THE TRANSPAVÉ TECHNICAL GUIDE (transpave.com/brochures)	FAMILY	NAME	DIMENSIONS (mm)			TYPE OF TRAFFIC		
			THICKNESS	WIDTH	LENGTH	NON-VEHICULAR (1) (pedestrian only, at all times)	LIGHT OFF-ROAD VEHICULAR (2) (occasional light-duty trucks)	HEAVY ROAD VEHICULAR (3) (trucks and buses)
MODULE B 	Boulevard 300	300, module A	100	600	600		■	
		300, module B	100	300	600		■	
		300, module C	100	300	300		■	
		300, module D	100	150	300		■	
		300, module E	100	150	450	■		
		300, module F	100	100	450	■		

Notes: - All pavers listed under "Heavy road vehicular" can be used for "Light off-road vehicular" and "Non-vehicular" traffic.
 - All pavers listed under "off-road" or "road" vehicular traffic can be used for "Non-vehicular" traffic.
 - Available in various models: full, 1/2, 1/4, and 1/16.

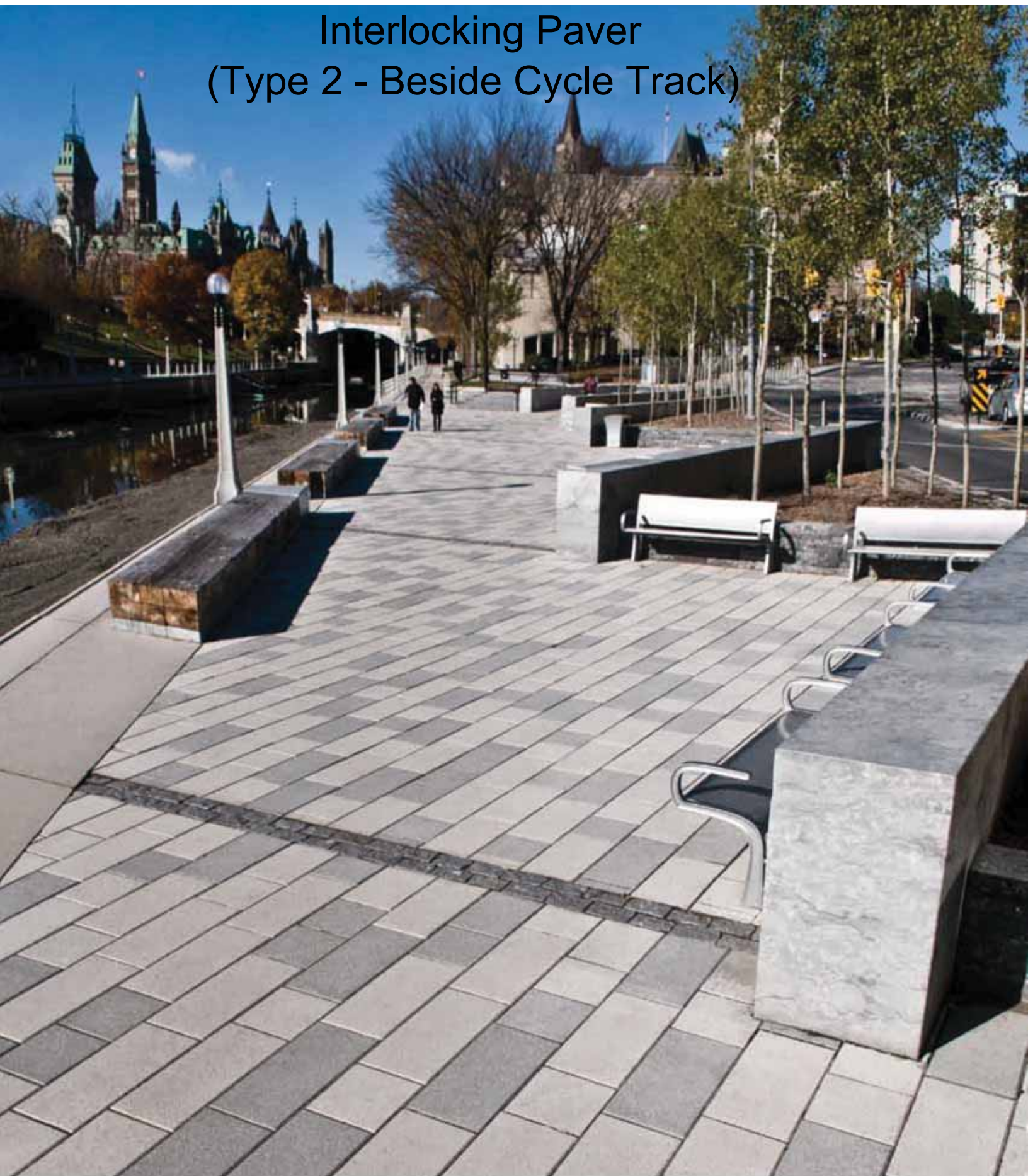
ark enclosures, terraces, pedestrian walkways
 rks, sidewalks, courtyards, public spaces
 reets, boulevards, industrial access points, roundabouts,
 pedestrian crossings

■ Exceptional performance
 ■ Satisfactory performance

Colour:
Cambrian
Burgundy

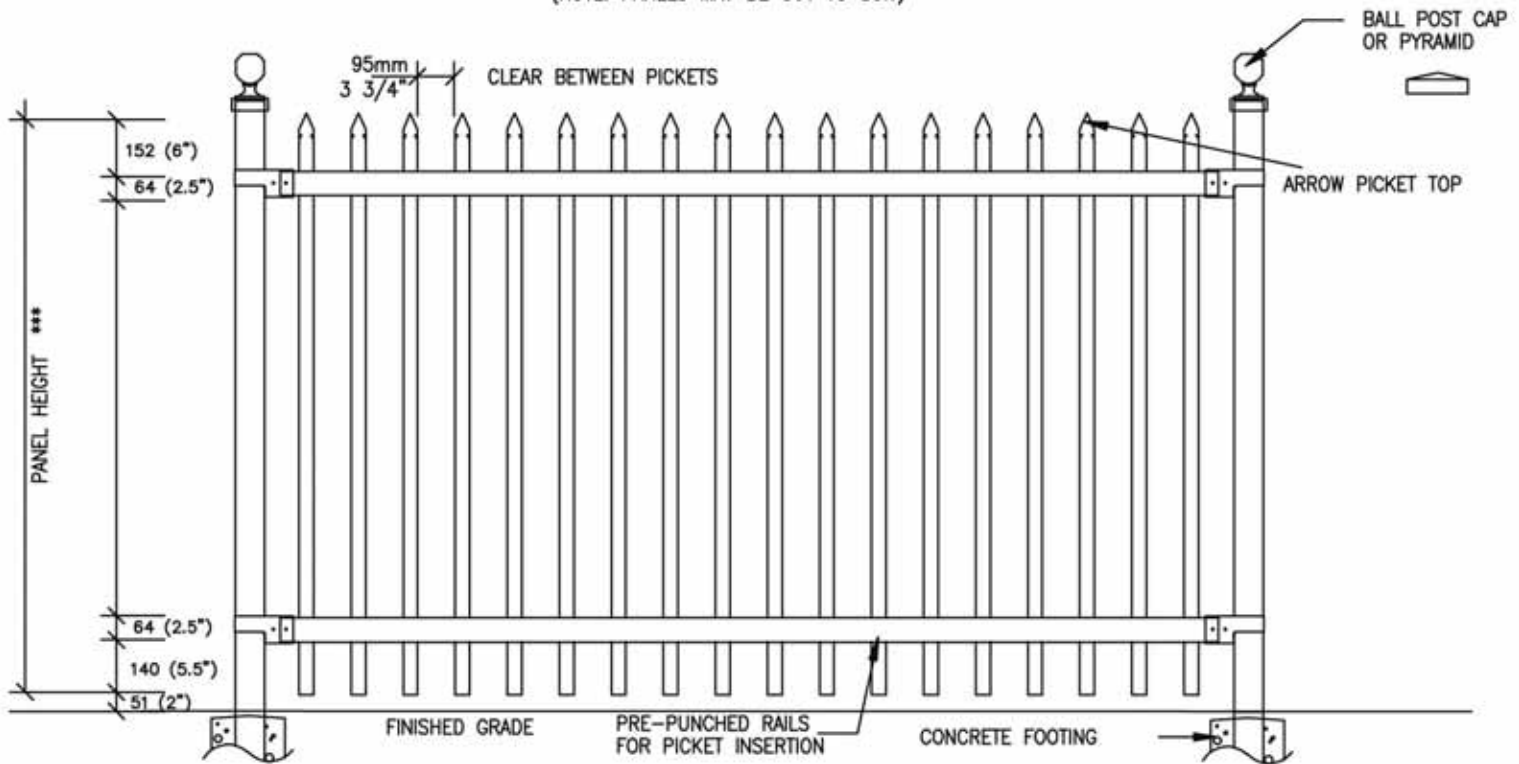


Interlocking Paver (Type 2 - Beside Cycle Track)



SEE TABLE BELOW FOR HEIGHT AND SPACING
(NOTE: PANELS MAY BE CUT TO SUIT)

Decorative Fencing



PANEL HEIGHT ***	PANEL WIDTH	POST SETTING
<914mm (36")	2432mm (95 3/4")	(CENTRE TO CENTRE)
914mm (36")		
1219mm (48")		
1524mm (60")		2565mm (101")
1828mm (72")		
2134mm (84")	1899mm (74 3/4")	
2438mm (96")		
2743mm (108")		2032mm (80")
3048mm (120")		
>3048mm (120")		

SPECIFICATIONS:

POSTS, RAILS: & PICKETS COLD FORMED STEEL TUBING
INTERIOR & EXTERIOR GALVALUME™ COATING
CHROMATE CONVERSION COATING ELECTROSTATICALLY
APPLIED THERMALLY BONDED POLYESTER POWDER
COATING - MINIMUM FILM THICKNESS 2.5 mils

POSTS: 76mm x 76mm (3"x3"),
14 GAUGE, SS40 OR SCH 40

POST FLANGES: 203mm x 203mm (8"x8") x 13mm (1/2") OR
254mm x 254mm (10"x10") x 13mm (1/2")

POST CAP: PYRAMID OR BALL

RAILS: 38mm x 64mm (1 1/2" x 2 1/2") , 16 GAUGE

PICKETS: 19mm x 38mm (3/4" x 1 1/2") , 16 GAUGE

FITTINGS: 12 GAUGE STAMP FORGED
FACTORY FINISH AS ABOVE

WELDS: STAINLESS STEEL

COLOURS: STANDARD COLOURS ARE BLACK,
SEMI-BLACK, BROWN, GREEN,
WHITE & FOREST GREEN

CUSTOM COLOURS AVAILABLE UPON REQUEST

WARRANTY: 5 YEAR MAINTENANCE FREE

NOTE: ALL TYPE OF GATES AVAILABLE
TAMPER PROOF NUT AVAILABLE
E-COAT PROTECTION AVAILABLE UPON REQUEST

COMMENTS:



TITLE

IRON EAGLE II SERIES
MAJESTIC EAGLE

DRAWING No.

M-01

REF.

CHK'D

DATE: JAN 2010



Decorative Fencing