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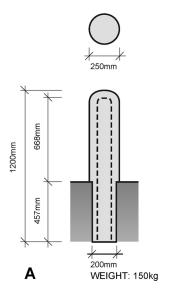
F-5-1a	Concrete Bollards
F-5-1b	Concrete Bollards
F-5-2	Concrete Bollards with City Logo
F-5-3	Cast Iron Bollards
F-5-4	Decorative Steel Bollard
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F-5-10	Decorative Steel Railing
F-5-11	Decorative Metal Fence
F-5-12	Concrete Vehicle Deflector (TTC/LRT Platforms)

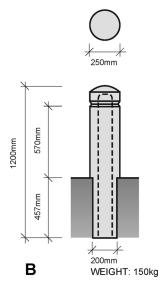
Toronto Urban Design

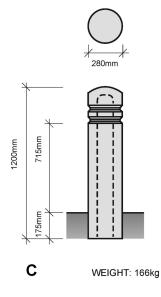
Bollards, Railings, Fences, Guards

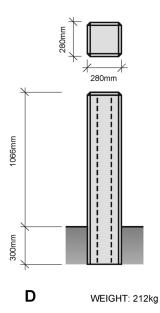
TORONTO City Planning Urban Design

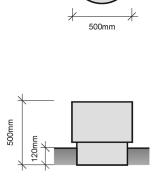
Bollards	
Finishes	Plain or Coloured Concrete
	Exposed Aggregate
	Light or Medium Sandblast
	Acid Etched
Supplier	Streetscape Architectural Precast Products (or equivalent)



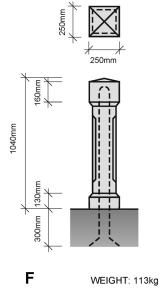








WEIGHT: 227kg



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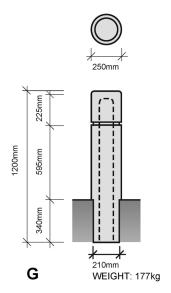
Concrete Bollards (Detail 1 of 2)

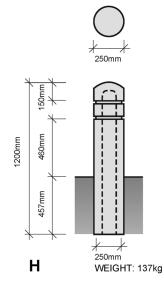
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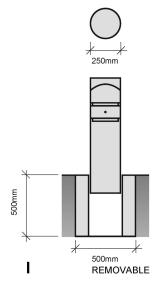
Streetscape Manual



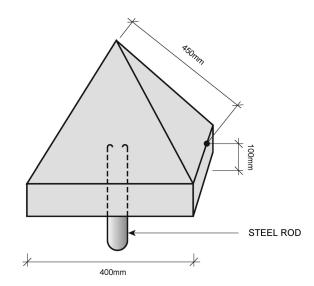
Bollards (continued)		
Finishes	Plain or Coloured Concrete	
	Exposed Aggregate	
	Light or Medium Sandblast	
	Acid Etched	
Supplier	Streetscape Architectural Precast Products (or equivalent)	





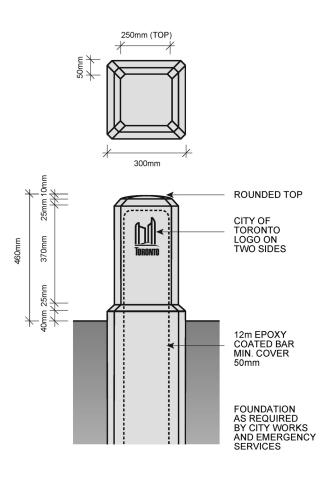


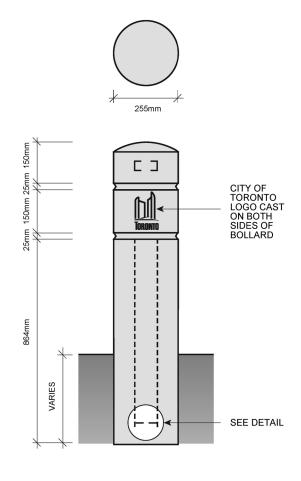
Pyramid Bollard		
Finishes	Plain Concrete	
Supplier	Streetscape Architectural Precast Products	

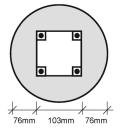


Precast Concrete Bollard with City of Toronto Logo			
Finishes	Aggregate and Terrazzo		
Colour	Ottawa Red		

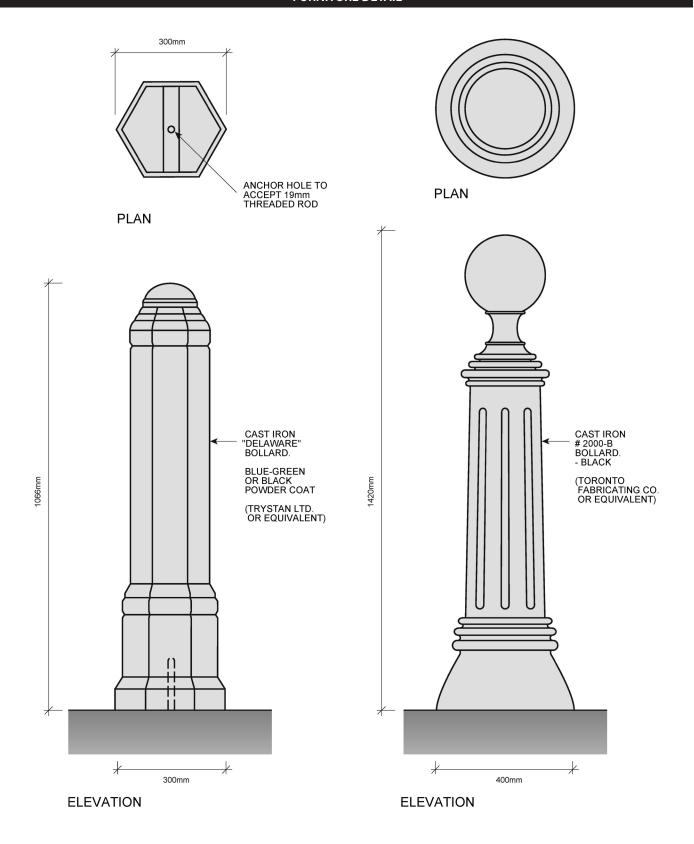
Precast Concrete Bollard with City of Toronto Logo				
Finishes	Plain or Coloured Concrete			

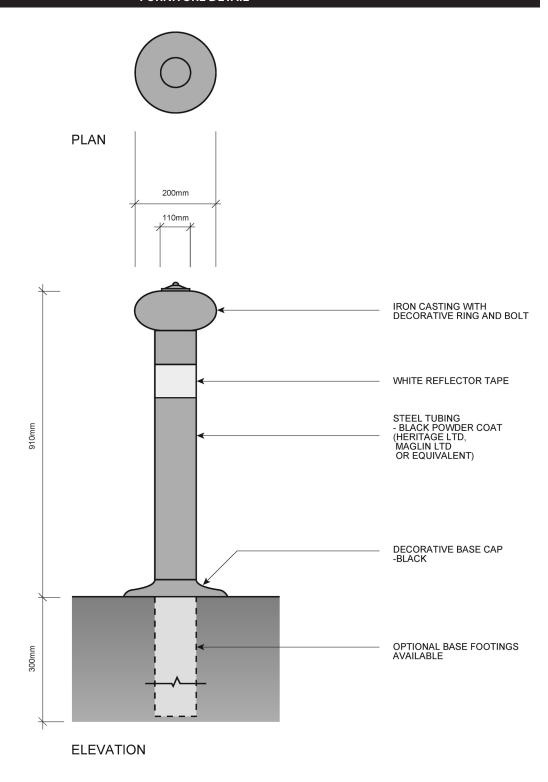


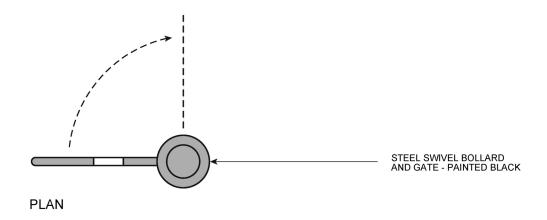


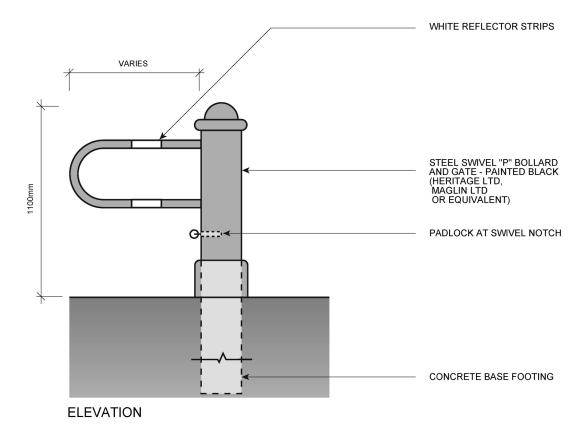


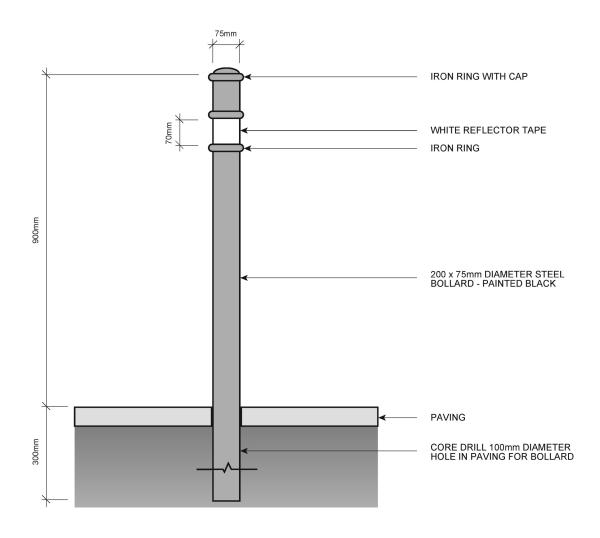
DETAIL 4,10mm x 900mm REINFORCING BARS TIED AT THE TOP AND BOTTOM. 45 MPA CONCRETE



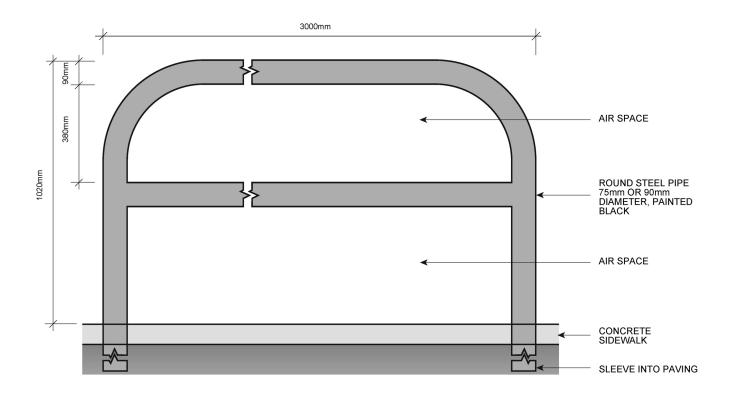


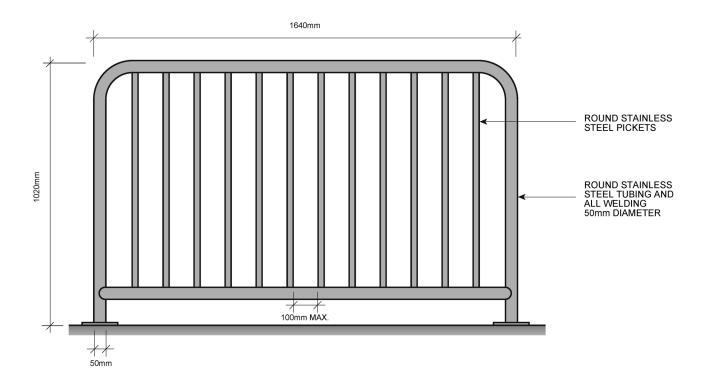


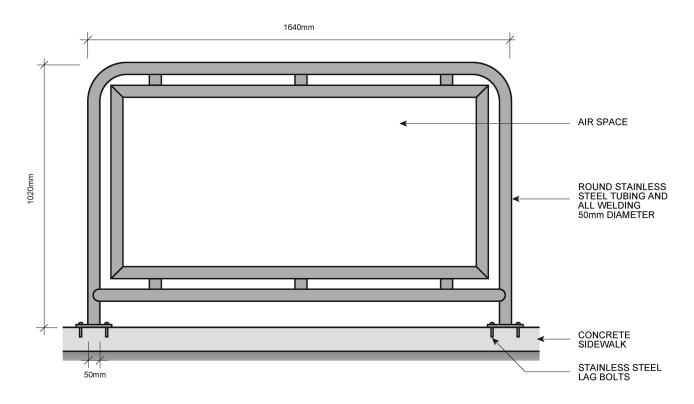




NOTES: 1. AVAILABLE FROM CITY OF TORONTO, TRANSPORTATION SERVICES.

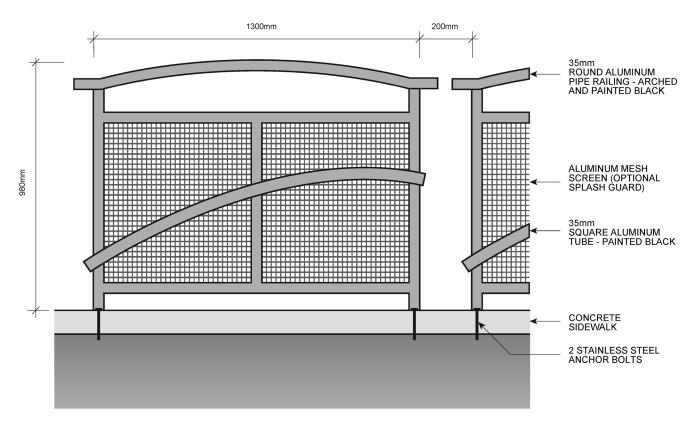




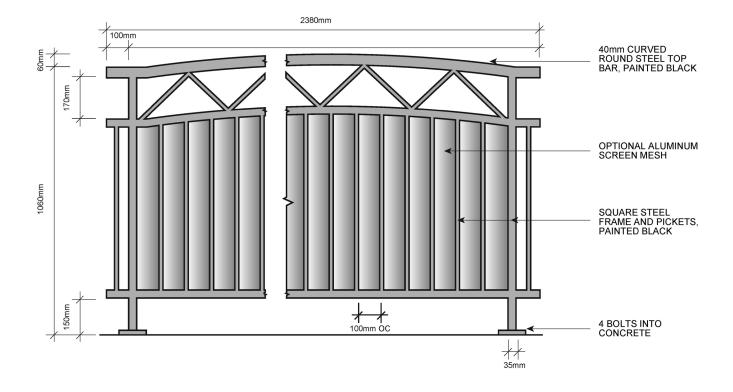


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Streetscape Manual

Stainless Steel Railing (Barrier)



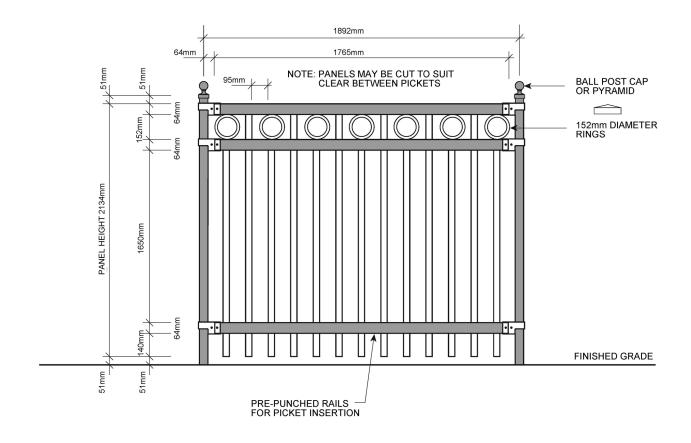
ELEVATION - STREET SIDE

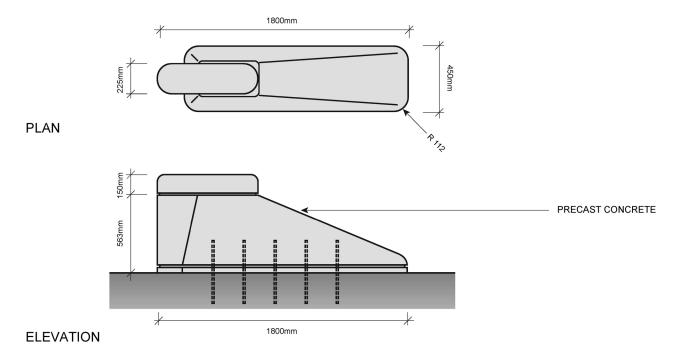


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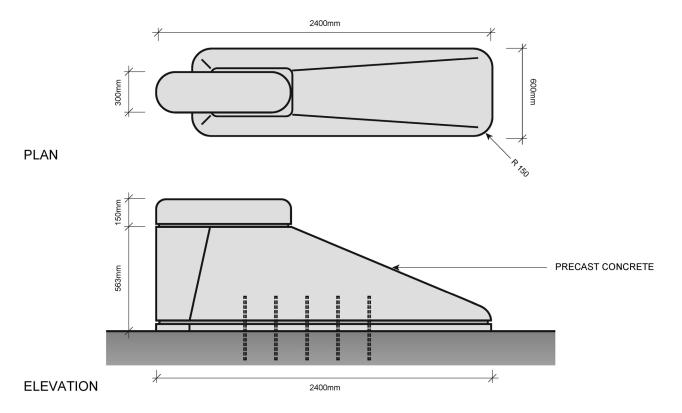
Decorative Steel Railing (Barrier)

TORONTO City Planning Urban Design
F-5-10 NTS 01/07





MANUFACTURER: STREETSCAPE PRECAST INDUSTRIES (OR EQUIVALENT)



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Concrete Vehicle Deflectors (for TTC/LRT Platforms)