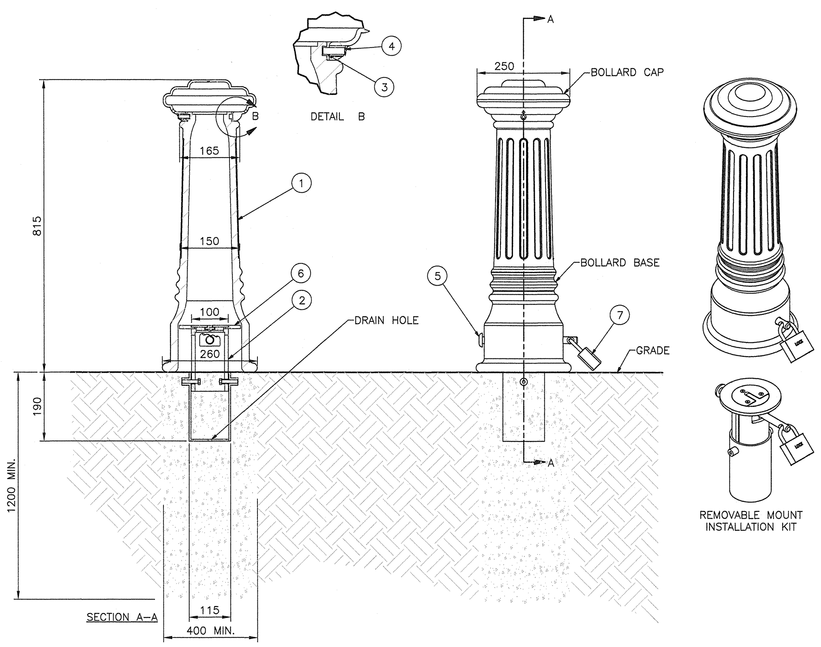


REMOVABLE/RETRACTABLE MOUNT, FOR INSTALLATION INTO NEW CONCRETE

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	R–7591	BOLLARD POST	DUCTILE IRON
2	1	R–7000	REMOVABLE/RETRACTABLE MOUNT	GALVANIZED STEEL
3	3	3/8" SET SCREW	HEXAGON SOCKET SET SCREW – FLAT POINT	STAINLESS STEEL
4	3	HOLE PLUG	PLASTIC HOLE PLUG	POLYETHYLENE
5	1	LOCK PIN	LOCK PIN	GALVANIZED STEEL
6	1	SPACER	SPACER	GALVANIZED STEEL
7	1	PADLOCK	PADLOCK (MARINE GRADE)	MARINE–BRASS W/ CHROME PLATING

SPECIFICATIONS:

1.0 REFERENCE STANDARDS
- A. ASTM A36–STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL.
- B. ASTM A500–STANDARD SPECIFICATION FOR COLD–FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES.
- C. ASTM A536–STANDARD SPECIFICATIONS FOR DUCTILE IRON CASTINGS.

1.1 SUBMITTALS
- A. COMPLY WITH SECTION 01 33 00–SUBMITTAL PROCEDURES.
- B. PROVIDE SHOP DRAWINGS OF BOLLARD SHOWING DIMENSIONS, COATINGS, AND ACCESSORIES, COMPONENT, AND FINISH AS SPECIFIED.
- C. SETTING DRAWINGS: SHOW EMBEDDED ITEMS AND CUTOUTS REQUIRED FOR WORK SPECIFIED IN OTHER SECTIONS.
- D. MAINTENANCE DATA: SUBMIT MANUFACTURER'S FIELD TOUCH–UP, CLEANING, AND MAINTENANCE INSTRUCTIONS.
- E. WARRANTY DOCUMENTATION: SUBMIT SAMPLE OF MANUFACTURER'S WARRANTY.

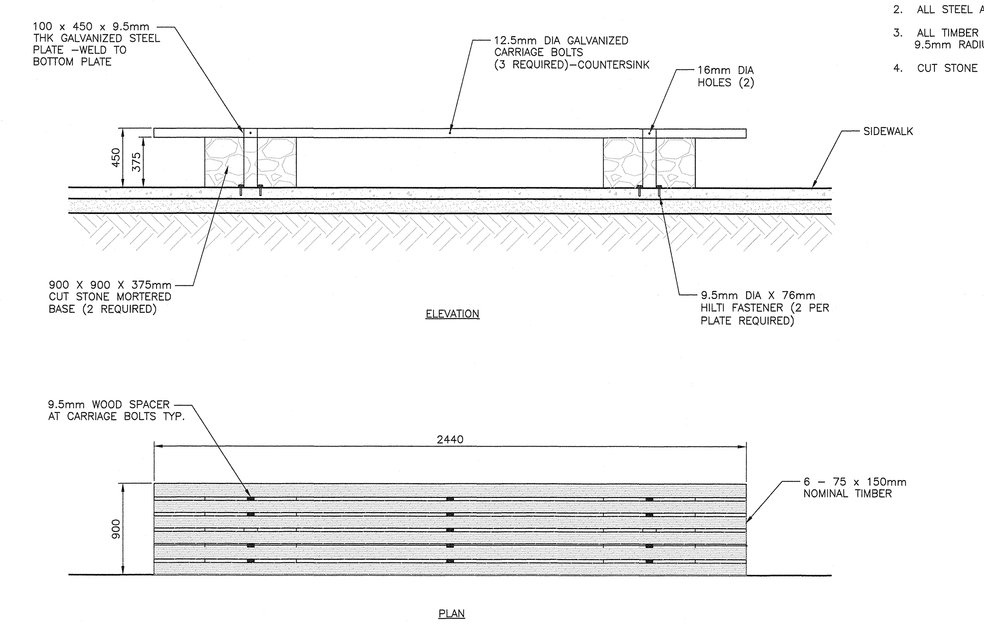
1.2 QUALITY ASSURANCE
- A. COMPLY WITH SECTION 01 45 00–QUALITY ASSURANCE.

1.3 DELIVERY, STORAGE AND HANDLING
- A. PROTECT BOLLARDS AND ACCESSORIES DURING DELIVERY, STORAGE, AND HANDLING.

1.4 WARRANTY
- A. PROVIDE MANUFACTURER'S STANDARD WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.
  - .1 WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION, EXCEPT AS OTHERWISE INDICATED.
    - a. COATINGS: TWO YEARS, AGAINST PEELING, CRACKING, OR SIGNIFICANT COLOR CHANGE.

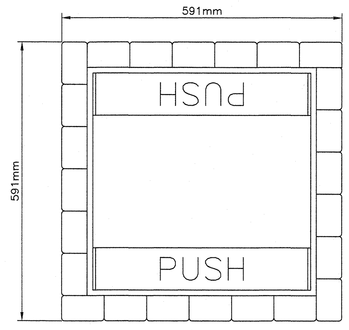
2.0 MATERIALS REMOVAL
- A. MODEL: RELIANCE FOUNDRY; MODEL R–7591 OR APPROVED EQUAL.
- B. SIZE: 815mm HIGH x 250mm DIAMETER.
- C. DESIGN: TAPERED AND FLUTED, WITH ROUND FINIAL AND FLAT DISC TOP.
- D. MATERIAL:
  - .1 DUCTILE CAST IRON: ASTM A536, GRADE 65–45–12.
- E. COATING:
  - .1 TYPE: POLYESTER POWDER COAT OVER EPOXY PRIMER (INTERIOR AND EXTERIOR).
  - .2 COATING COLOR: BLACK TEXTURED SEMI GLOSS.
- F. CONCRETE TO SECTION 03 30 00
- G. ACCESSORIES
  - .1 PADLOCK: MARINE GRADE TO SUIT BOLLARD AND MOUNTING KIT. ALL PADLOCK KEYED THE SAME.
  - .2 MOUNTING KIT–GALVANIZED STEEL, FLUSH MOUNTED BY RELIANCE FOUNDRY PREMIUM MOUNT KIT OR APPROVED EQUAL.

1 / C07 DETAIL – REMOVABLE BOLLARD
SCALE : N.T.S.

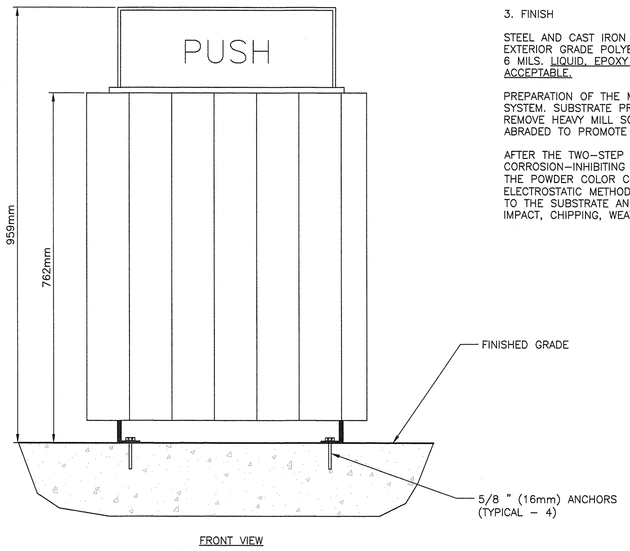


NOTES:
1. TIMBER TO BE DRESSED, 2ND GENERATION HEMLOCK OR LARCH.
2. ALL STEEL AND HARDWARE TO BE GALVANIZED.
3. ALL TIMBER SURFACES TO BE SANDED SMOOTH. ALL OUTSIDE EDGES TO HAVE 9.5mm RADIUS.
4. CUT STONE TO MATCH EXISTING WALL IN TYPE AND COLOUR.

2 / C07 DETAIL – BENCH
SCALE : N.T.S.



TOP VIEW



FRONT VIEW

SPECIFICATIONS:

LITTER CONTAINER SHALL BE 591mm SQUARE X 762mm HIGH. CONTAINER SHALL BE CAPABLE OF BEING SURFACE–MOUNTED TO CONCRETE SURFACE.

1. MATERIALS

FRAME SHALL BE FABRICATED FROM 6mm THICK FORMED MILD STEEL PLATE. SLATS SHALL BE SECOND GENERATION HEMLOCK OR LARCH. THERE SHALL BE NO LOOSE KNOTS, NOR KNOTHOLES. TO ELIMINATE SLIVERING, WOOD SHALL BE FREE OF WANE, SMOOTHLY DRESSED FOUR SIDES. SLATS SHALL BE NOMINAL 75mm X 100mm. EDGES AND ENDS SHALL BE HEAVILY EASED. LITTER CONTAINER SHALL INCLUDE A 36–GALLON HEAVY–DUTY RECYCLED PLASTIC LINER. HAMPER TOP SHALL BE LOCKABLE AND MADE OF BRUSHED STAINLESS STEEL WITH TWO SELF–CLOSING DOORS ON OPPOSING SIDES.

2. CONSTRUCTION

LITTER CONTAINER FRAME SHALL BE WELDED INTO SEPARATE TOP AND BOTTOM UNITS. WELDS SHALL BE SMOOTH AND CONTINUOUS WITH NO GAPS OR PIN HOLES. FINAL PRODUCT SHALL BE FREE OF WELD SPATTERS AND BURRS. LITTER CONTAINER SURROUND SLATS SHALL BE ATTACHED TO FRAMES WITH No. 14 X 50mm STAINLESS STEEL NUT. 5/8 " DIAMETER HOLES PROVIDED FOR ANCHOR BOLTS SUPPLIED BY INSTALLING CONTRACTOR.

3. FINISH

STEEL AND CAST IRON PARTS SHALL BE COATED WITH AN OPAQUE, UV RESISTANT EXTERIOR GRADE POLYESTER POWDER COATING APPLIED TO A MINIMUM THICKNESS OF 6 MILS. LIQUID, EPOXY OR LEAD–CONTAINING POWDER COATINGS ARE NOT ACCEPTABLE.

PREPARATION OF THE MILD STEEL SUBSTRATE SHALL INCORPORATE THE PHOSPHATE SYSTEM. SUBSTRATE PREPARATION SHALL CONSIST FIRST OF MECHANICAL CLEANING TO REMOVE HEAVY MILL SCALE, RUST, VARNISH, GREASE, ETC., WITH SURFACES UNIFORMLY ABRADED TO PROMOTE QUALITY OF FINISH COATING.

AFTER THE TWO–STEP CLEANING PROCESS, THE METAL SUBSTRATE SHALL RECEIVE A CORROSION–INHIBITING IRON PHOSPHATE PRE–COATING, PRIOR TO THE APPLICATION OF THE POWDER COLOR COAT(BLACK). THE COLOR COATING SHALL BE APPLIED BY THE ELECTROSTATIC METHOD AND THEN OVER–CURED TO CHEMICALLY BOND THE COATING TO THE SUBSTRATE AND TO RENDER THE COATED METAL RESISTANT TO ABRASION, IMPACT, CHIPPING, WEATHERING, AND RUSTING.

3 / C07 DETAIL – LITTER CONTAINER WITH HAMPER TOP
SCALE : N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

GENERAL NOTES:
1. DO NOT SCALE FROM DRAWINGS.
2. ALL DIMENSIONS AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGNL Newfoundland and Labrador PERMIT HOLDER This Permit Allows
CBCL LIMITED
To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEGNL 20178 which is valid for the year 2016.

revisions		date
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project / projet
SIGNAL HILL PARKING AREA IMPROVEMENTS

drawing / dessin
DETAILS

designed / conçu: JACK CAINES
date: APRIL 1, 2015
drawn / dessiné: JONATHAN NICHOLAS
date: APRIL 1, 2015
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC: 13 May 2016

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