
Part 1 GENERAL

1.1 REFERENCES

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM A653/A653M-[01a], Standard Specification for Steel Sheet, Zinc-Coated, (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .2 ASTM B32-[00], Standard Specification for Solder Metal.
 - .3 ASTM B456-[95], Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- .2 Aluminum Association, Inc. (AA)
 - .1 Designation System for Aluminum Finishes
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.81-[M90], Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.88-[92], Gloss Alkyd Enamel, Air Drying and Baking.
 - .3 CGSB 31-GP-107Ma-[90], Non-Inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.
 - .4 CGSB 41-GP-6M-[1983], Sheets, Thermosetting Polyester Plastics, Glass Fibre Reinforced.
- .4 Canadian Standards Association (CSA)
 - .1 CAN/CSA-G164-[M92(R1998)], Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .2 CSAW47.2-[M1987(R1998)], Certification of Companies for Fusion Welding of Aluminum.
 - .3 CSA W59-[M1989(R2001)], Welded Steel Construction (Metal Arc Welding) (Imperial Version).
 - .4 CSA W59.2-[M1991(R1998)], Welded Aluminum Construction.
- .5 Canadian Sheet Steel Building Institute (CSSBI)
 - .1 Sheet Steel Facts # 6, Metallic Coated Sheet Steel for Structural Building Products.
- .6 The Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual

1.2 SHOP DRAWINGS

- .1 Submit representative sample of each type of sign, sign image and mounting method, including, but not limited to graphic, cast letters, sign box installation method, channel letters and wall plates fixed mounting installation method.
- .2 Indicate materials, thicknesses, sizes, finishes, colours, construction details, removable and interchangeable components, mounting methods, schedule of signs.
- .3 Submit drawn-to-scale details for individually fabricated or incised lettering indicating word and letter spacing.

- .4 Submit representative sample of each type sign, sign image and mounting method.
- .5 Submit manufacturer's printed product literature panel signage or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .6 Submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.

1.3 MAINTENANCE DATA

- .1 Provide maintenance data for illuminated signs for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.4 QUALITY ASSURANCE

- .1 Welding Certification in accordance with CSA W47.2.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 00 – Cleaning and Waste Management.
- .2 Place materials defined as hazardous or toxic waste in designated containers.
- .3 Ensure emptied containers are sealed and stored safely for disposal away for public.
- .4 Use chemical hardeners that are non-toxic, biodegradable and have zero or low VOC's.
- .5 Dispose of surplus chemical and finishing materials in accordance with Federal, Provincial and Municipal regulations.

Part 2 Products

2.1 MATERIALS

- .1 Aluminum extrusions: to AA 6063-T5 or AA 6006-T5.
- .2 ¼" aluminum: utility quality.
- .3 Prefinished sheet aluminum: plain utility sheet with manufacturer applied baked enamel finish 0.25 mm thick on face and 0.0076 mm thick on back.
- .4 Casting aluminum: CSA HA Series - HA.9-SG7ON-T6.

2.2 EXTERIOR SIGNAGE

- .1 Name, size and spacing of letters as indicated on the drawings:
 - .1 CNC cut aluminum letters, ¼" thickness
 - .2 Typeface: Gil Sans MT
 - .3 Finish: powder-coated; gray/ black (Contract Administrator to confirm finish – gloss or satin – prior to ordering)

2.3 SIGN GRAPHICS

- .1 Sign graphics to be well defined, arranged for balanced appearance, and properly word and letter spaced.
- .2 Cut and spray process: mask surfaces, accurately cut-out image, then spray apply uniform coating to obtain opaque finish.
- .3 Silk screen process: apply multi-colour photographic produced silk screen printed images to back side of transparent sign faces; face side of opaque sign faces.
- .4 Engraving: apply sign images using pantograph mechanical engraving machine to obtain incised letters as detailed or specified.
- .5 Self-stick vinyl film: individual letters and numerals and symbols die cut from 0.1 mm thick matte finish, exterior grade PVC film, with self-stick adhesive backing. Colours to be determined by Contract Administrator from manufactures full range of colours.
- .6 Decals: silk screened or printed images on 0.038 mm, clear matte finish, mylar film, with self-stick adhesive backing. Protect image with laminated film overlay of same material as decal base..

Part 3 Execution

3.1 INSTALLATION, GENERAL

- .1 Erect and secure signs plumb and level at elevations indicated.
- .2 Leave signs and substrates clean.
- .3 Touch up any damaged finishes.

3.3 SCHEDULE

- .1 Exterior Signage
 - .1 Fastened to existing guardrail:
 - .1 152 mm (1'-10") high (max) aluminum letters reading:
"SERGEANT TOMMY PRINCE PLACE" (Total Qty: 2 – including positive and negative lettering)
- .2 Refer to drawings for locations and further info.

END OF SECTION