Section 10 14 10 - R1

Page 1 of 5

JANUARY 2008

ADDENDUM 2

Part 1 General

Bid Opportunity 286-2007

1.1 Related Work

- .1 Section 01 33 00 Submittal Procedures.
- .2 Section 01 74 21 Construction/Demolition Waste Management and Disposal.
- .3 Section 01 78 00 Closeout Submittals.

1.2 References

- .1 Aluminum Association, Inc. (AA)
 - .1 Designation System for Aluminum Finishes -[1997].
- .2 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.
- .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. Reaffirmation of September 1976.
- .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-July 1995.
- .6 The Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual March 1998.

METAL BUILDING SIGNAGE

Section 10 14 10 – R1
Page 2 of 5
JANUARY 2008
ADDENDUM 2

1.3 Shop Drawings

- .1 Submit shop drawings in accordance with Section 01 33 00 Submittal Procedures.
- .2 Indicate materials, thicknesses, sizes, finishes, colours, construction details, removable and interchangeable components, mounting methods, and schedule of signs.
- .3 Submit full size templates for individually fabricated or incised lettering indicating word and letter spacing.

1.4 Samples

- .1 Submit samples in accordance with Section 01 33 00 Submittal Procedures.
- .2 Submit representative sample of signage, and mounting method.

1.5 Quality Assurance

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

1.6 Waste Management and Disposal

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 Construction/Demolition Waste Management and Disposal.
- .2 Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard packaging material for recycling in accordance with Section 01 74 21 Construction/Demolition Waste Management and Disposal.
- .4 Place materials defined as hazardous or toxic in designated containers.
- .5 Divert unused metal materials from landfill to metal recycling facility as approved by Contract Administrator.
- .6 Unused paint or coating material must be disposed of at an official hazardous material collections site as approved by Contract Administrator.
- .7 Fold up metal banding, flatten and place in designated area for recycling.
- .8 Do not dispose of unused paint material into sewer system, into streams, lakes, onto ground or in any other location where it will pose health or environmental hazard.

1.7 Maintenance Data

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

METAL BUILDING SIGNAGE

Section 10 14 10 - R1

Page 3 of 5

JANUARY 2008

ADDENDUM 2

Part 2 Products

2.1 Materials

- .1 Sheet aluminum: anodizing quality.
- .2 Prefinished sheet aluminum: embossed utility sheet with manufacturer applied baked enamel on face and back.
- .3 Welding materials: to CSA W59.
- .4 Solder: to ASTM B32, Type [Sn50].
- .5 Adhesives, paints, sealants and solvents for sheet: type recommended by sheet manufacturer for applicable condition.
- Acrylic top-coat: clear, non-yellowing, exterior grade, satin finish, acrylic polyester resin protective coating, compatible with [metal] surface of type recommended by sheet manufacturer.
- .7 Bituminous paint: to MPI [EXT 5.4D].

2.2 Cut-Out Letters

- .1 Cut letters from plain, aluminum sheet.
- .2 Optima typeface, upper case; sizes and thicknesses as indicated.
- .3 After fabrication finish aluminum with anodizing Colour to be selected by Contract Administrator.
 - .1 Submit samples including, but not limited to: Clear anodized and/or Bronze anodized.
 - .2 Style: Optima, typeface, Upper Case,
 - .3 Height: As per Elevation Drawing (A-4):
 - .1 400mm high lettering to read: VALOUR COMMUNITY CENTRE
 - .2 250mm high lettering to read: ISAAC BROCK SITE and 715 TELFER STREET NORTH
 - .4 Locations as per elevation drawing A-4 and as selected by Contract Administrator
 - .5 Material: Aluminium Sheet
 - .6 Material Thickness: 6mm
 - .7 Finish: Anodized finish. To be approved by Contract Administrator.
 - .8 Mounting Method: concealed fasteners

2.3 Fabrication

- .1 Fabricate signs in accordance with details, specifications and shop drawings.
- .2 Allow for thermal movement without distortion of components.
- .3 Exposed fasteners permitted only where indicated or approved by [Contract Administrator] and to be inconspicuous and same finish and colour as base material, or as noted.

METAL BUILDING SIGNAGE

Section 10 14 10 – RI

Page 4 of 5

JANUARY 2008

ADDENDUM 2

- .4 Apply bituminous paint to aluminum in contact with dissimilar metals, concrete or masonry.
- .5 Manufacturer's nameplates on sign surface locations visible in completed work not acceptable.

2.4 Finishes

Bid Opportunity 286-2007

- .1 Anodized aluminum:
 - .1 Clear finish: to designation AA-DAF in uncoloured anodized finish...
 - .2 Colour finish: to designation AA-DAF to Contract Administrator's approval.
- .2 Galvanized finish: on irregular shaped articles, 381 g/m² zinc coating to CAN/CSA G164.

2.5 Door Plates

- .1 Fabricate sign faces of anodized aluminum. Size 150mm x 150mm x 2mm mm thick.
- .2 Sign graphics: apply by self-stick vinyl letters.
- .3 Fixed mounting: use self-stick foam tape.
- .4 Washroom pictographs: cut-out figures without backgrounds.

Part 3 Execution

3.1 Installation

- .1 Erect and secure signs plumb and level at elevations indicated and as directed by Contract Administrator.
- .2 Comply with sign manufacturer's installation instructions and approved shop drawings.
- .3 Mechanical attachment:
 - .1 To concrete or solid masonry use lag screws and expansion bolts or screws and fibre plugs, as appropriate for stresses involved.
 - .2 To hollow masonry use toggle bolts or equivalent.
 - .3 To steel: use bolts with nut and lock washers, self-tapping screws.
 - .4 To wood: use screws.
 - .5 Secure into framing members behind stud walls or above ceilings.
 - .6 Mechanical fasteners on exterior to be non-staining, non-ferrous type.
 - .7 Fabricate special fasteners as required for installation conditions.
 - .8 Mechanical fasteners and methods of attachment subject to Contract Administrator's approval. Obtain Contract Administrator's approval before fixing to structural steel.

3.2 Cleaning

.1 Leave signs clean.

VALOUR COMMUNITY CENTRE
GYMNASIUM ADDITION & RENOVATION
715 Telfer Street North, Winnipeg MB
Bid Opportunity 286-2007

METAL BUILDING SIGNAGE

Section 10 14 10 - R1
Page 5 of 5
JANUARY 2008
ADDENDUM 2

.2 Touch up any damaged finishes.

END OF SECTION