
PART 1 - GENERAL1.1 RELATED
REQUIREMENTS

- .1 Section 09 22 16 - Non-structural Metal Framing.

1.2 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
.1 ASTM A 653/A 653M-01a, Standard Specification for Steel Sheet, Zinc-Coated, (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .2 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 CAN/CGSB-1.104-M91, Semigloss Alkyd, Air Drying and Baking Enamel.
- .3 Canadian Standards Association (CSA International)
.1 CSA-G40.20-04/G40.21-02, General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.
.2 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.
.3 CSA W59-03, Welded Steel Construction (Metal Arc Welding).
- .4 Green Seal Environmental Standards
.1 Standard GC-03-93, Anti-Corrosive Paints.
.2 Standard GS-11-97, Architectural Paints.
- .5 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
.1 Material Safety Data Sheets (MSDS).
- .6 South Coast Air Quality Management District (SCAQMD), California State
.1 SCAQMD Rule 1113-04, Architectural Coatings.
- .7 The Master Painters Institute (MPI)
.1 Architectural Painting Specification Manual - February 2004.
.1 MPI # 76, Quick Dry Alkyd Metal Primer.
.2 MPI # 81, Machinery Enamel.
.3 MPI # 96, Quick Dry Enamel Gloss.

1.3 ACTION AND
INFORMATIONAL
SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
.1 Submit manufacturer's printed product

literature for wire mesh partitions or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.

.2 Submit two copies WHMIS MSDS - Material Safety Data Sheets in accordance with Section 02 81 01 - Hazardous Materials.

.3 Shop Drawings:

.1 Indicate partition panel modules and types, materials, gauges, finishes, door and other openings, hardware, fastening methods to adjacent structure, ceiling details, and assembly methods.

.4 Samples:

.1 Submit duplicate 300 x 300 mm samples of each type partition and colour and finish on actual base metal.

.2 Sample to show basic construction and finishes.

.3 Erect trial assembly of at least two modules of each type partition, on site where directed by Departmental Representative.

1.4 DELIVERY,
STORAGE AND
HANDLING

.1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.

.2 Waste Management and Disposal:

.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Partition mesh: galvanized.

.1 Expanded metal mesh: thickness MW 9.1, diamond size 20 mm x 40 mm, provide in flat sheets.

.2 Welding materials: to CSA W59.

.3 Bolts, fasteners and fastening hardware: manufacturer's standard to suit design and application.

2.2 FABRICATION

.1 Panels:

.1 Fabricate panels 2400 x 1200 mm and special sizes or shapes as required consisting of wire mesh secured to metal studs as indicated.

PART 3 - EXECUTION

3.1 MANUFACTURER'S
INSTRUCTIONS

.1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

3.2 ERECTION

- .1 Install mesh enclosures in accordance with manufacturer's printed instructions.
- .2 Erect enclosures plumb, level, straight, rigidly supported, and securely fastened to abutting surfaces, free from superimposed loads.
- .3 Fix to masonry and concrete using lag bolts and shields; to hollow walls using bolts and toggle type anchors; to steel supports with bolts in threaded holes or spot welds.
 - .1 Locate fasteners on interior side where possible for maximum security.

3.3 CLEANING

- .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.