

Part 1 General

1.1 SECTION INCLUDES

- .1 Materials and components for desks, seating and panel systems.

1.2 REFERENCES

- .1 American National Standards Institute (ANSI).
 - .1 ANSI A208.1-[99], Standard for Particleboard.
- .2 American National Standards Institute (ANSI)/Business and International Furniture Manufacturers Association (BIFMA) International.
 - .1 ANSI/BIFMA X5.1-[2002], American National Standard for Office Furnishings, General Purpose Office Chairs - Tests.
 - .2 ANSI/BIFMA X5.6-[2003], American National Standard for Office Furnishings - Panel Systems.
- .3 American Society for Testing and Materials International, (ASTM).
 - .1 ASTM C297-[94(R1999)], Standard Test Method for Flatwise Tensile Strength of Sandwich Connections.
- .4 The Business and Institutional Furniture Manufacturer's Association.
 - .1 BIFMACMD-1-[1997], BIFMA Chair Measuring Device.
- .5 Canadian Construction Documents Committee (CCDC).
 - .1 CCDC-2-[1994], Stipulated Price Contract.
- .6 Canadian General Standards Board (CGSB).
 - .1 CAN/CGSB 44.227-[2000], Freestanding Office Desk Products and Components.
 - .2 CAN/CGSB-44.232-[2002], Task Chairs for Office Work with Visual Display Terminals.
- .7 Canadian Standards Association (CSA International).
 - .1 CSA C22.2 No.9.0-[96(R2001)] General Requirements for Luminaires.
 - .2 CAN/CSA-C22.2 No.203-[M91(R2001)], Modular Wiring Systems for Office Furniture.
- .8 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
 - .1 Material Safety Data Sheets (MSDS).
- .9 Public Works and Government Services Canada (PWGSC) - Industrial and Commercial Products and Standardization Services Sector - Government Purchase Description (GPD).
 - .1 PWGSC-GPD-6-[February 1999], Side Chairs with Metal Frame.
- .10 The Master Painters Institute (MPI).

- .1 Architectural Painting Specification Manual - [March 1998(R2002)].
- .11 Underwriters' Laboratories Canada (ULC).
 - .1 CAN/ULC-S102-[1988(R2000)], Standard Method of Test for Surfaces Burning Characteristics of Building Materials and Assemblies.
- .12 Underwriters' Laboratories (UL).
 - .1 UL 1286 [Edition 4]-[1999], Standard for Office Furnishings.
- .13 United Nations Environment Programme (UNEP)/UNEP World Conservation Monitoring Centre (WCMC)-[2000].
 - .1 Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) - [1973-(A1979)].

1.3 SUBMITTALS

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Supply part numbers of furniture to allow for replacement of worn or damaged furniture parts.
- .3 Supply instructions detailing procedures for repairing or replacing worn furniture parts.

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 00 – Cleaning and Waste Management.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Fold up metal banding, flatten and place in designated area for recycling.

1.5 MAINTENANCE DATA

- .1 Provide maintenance data in accordance with Section 01 78 00 – Closeout Submittals.

Part 2 Products

2.1 ACCEPTABLE PRODUCTS

- .1 Mobile Storage Cart
 - .1 Manufacturer:
 - .1 IKEA
 - .2 Product:
 - .1 ERIK drawer unit with drawers on casters
 - .2 Article # 401.028.41
 - .3 Product dimensions: 410 mm wide x 500 mm deep x 570 mm high
 - .4 Colour: Silver

- .5 Quantity: 1
- .6 Location: Servery - Room 103
- .2 Metal Shelves
 - .1 Manufacturer:
 - .1 IKEA
 - .2 Product:
 - .1 OMAR 1 shelf section
 - .2 Article # 698.290.83
 - .3 Product Dimensions: 920 mm wide x 360 mm deep x 184 mm high
 - .4 Colour: Galvanized
 - .5 Quantity: 3
 - .6 Location: Harvest Storage – Room 108

Part 3 Execution

3.1 INSTALLATION

- .1 Assemble and install products specified in accordance with manufacturer's instructions.
- .2 All flatpack, prefabricated furniture to be assembled and installed by Contractor.

3.2 ADJUSTING

- .1 Adjust operating components of products in accordance with manufacturer's instructions; ensure that products operate correctly.

END OF SECTION

Part 1 General

1.1 DESCRIPTION OF WORK:

- .1 Furnish and install bicycle racks in locations shown on plans, anchored in position and equal in size, type and color. Exact positioning of bike racks at each location shall be dependent on the model selected and coordination with the Contract Administrator.

1.2 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM).
 - .1 ASTM A36 – Carbon Structural Steel.
 - .2 AAMA 2603 – Pigmented Organic Coatings on Aluminum Extrusions and Panels.

1.3 SUBMITTALS

- .1 Provide manufacturer's product data in accordance with the requirements of Section 01 33 00 – Submittal Procedures.
- .2 Samples for Initial Selection: Color card of manufacturer's standard colors.
- .3 Samples for Verification: Specified finish.
- .4 Setting Drawings: Show embedded items and cutouts required for work specified in other Sections.

1.4 CLOSEOUT SUBMITTALS

- .1 In accordance with Section 01 77 00 – Closeout Procedures.
- .2 Manufacturer's Maintenance Instructions for field touch-up of finishes, cleaning, and maintenance.
- .3 Warranty Documentation: Submit sample of manufacturer's warranty.

1.5 DELIVERY, STORAGE, AND HANDLING

- .1 Protect racks and accessories during delivery, storage, and handling to comply with manufacturer's instructions and prevent damage.

1.6 WARRANTY

- .1 Manufacturer's Warranty: Manufacturer's warranty, agreeing to repair, replace, or refund the purchase price of bike parking products found defective, within the following time periods.
 - .1 Material and workmanship: 20 years.

Part 2 Products

2.1 ACCEPTABLE MANUFACTURER AND PRODUCTS

- .1 Manufacturer: Cora Bike Rack, Telephone: 1-800-354-8624

- .2 Product: W Series Expo 4508
 - .1 Capacity: 8 Bicycles
 - .2 Weight:
 - .1 Carbon: 34.02 Kg (75 Lbs.)
 - .2 Stainless: 37.65 Kg (83 Lbs.)
 - .3 Pin to pin: 1203 mm (47 3/8")
 - .4 Height: 864 mm (34")
 - .5 Depth: 762 mm (30")
 - .6 Construction: Heavy duty high quality steels. Mainframe C.R.W. 2 3/8" OD H.S. 3/4, Lock support ASTM A-36 3/4" H.R. Round-bar
 - .7 Finish: Plastic coated carbon steel
 - .8 Colour: To be determined by Contact Administrator
 - .9 Quantity: 2

2.2 SUBSTITUTIONS:

- .1 Refer to Section 01 33 00 – Submittal Procedure, subsection 2.2.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.2 INSTALLATION

- .1 Install component in accordance with manufacturer's instructions and City of Winnipeg Standard Construction Specifications.
- .2 Bicycle racks shall be installed using Hilti chemical fastening system onto concrete surface, as per drawings. Refer to layout drawing for locations. Stainless Steel washers and/or neoprene spacers to be used as required to set bicycle racks plumb.
- .3 Asphalt coating to be spread onto concrete surface beneath base plate. Ensure thick even coating to extents of base plate.
- .4 Where multiple bicycle racks are installed in rows with aisles separating the rows the following dimensions shall apply:
 - .1 Provide minimum aisle widths in accordance with manufacturer's instructions and installation guidelines.

END OF SECTION