Part 1 General

1.1 SCOPE OR WORK

.1 This Bid Opportunity defines minimum design standards for the following furnishings:

.1 Technical Workstations

1.2 REFERENCES

.1 American National Standards Institute (ANSI)

.1 ANSI A208.1-[09], Particleboard.

.2 ASTM International

.1 ASTM C297/C297M-[04(2010)], Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions.

.3 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-44.227-[2008], Freestanding Office Desk Products and Components.

.4 CSA International

.1 CSA C22.2 No.9.0-[96(R2011)], General Requirements for Luminaires.

.2 CAN/CSA-C22.2 No.203-M91 (R2010)], Modular Wiring Systems for Office Furniture.

.5 Health Canada/Workplace Hazardous Materials Information System (WHMIS)

.1 Material Safety Data Sheets (MSDS).

.6 Underwriters' Laboratories Canada (ULC)

.1 CAN/ULC-S102-2010, Standard Method of Test for Surfaces Burning Characteristics of Building Materials and Assemblies.

.7 Underwriters' Laboratories (UL)

.1 UL 1286-2008(R2011), Standard for Office Furnishings.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

.1 Product Data:

.1 Submit manufacturer's instructions, printed product literature and data sheets for technical workstations and include product characteristics, performance criteria, physical size, finish and limitations.

.2 Submit 2 copies of WHMIS MSDS in accordance with Section D8.

.2 Furniture Plan:

.1 Submit PDF of furniture plan populated with accurate sized items being provided as part of the Contractor's quotation for the Work.

.2 Plan must clearly identify conflicts with minimum dimensions requested on Furniture Plans F-1 and F-2 provided in Part E – Specifications of the Bid Opportunity.

1.4 CLOSEOUT SUBMITTALS

.1 Operation and Maintenance Data: submit operation and maintenance data for furniture for incorporation into manual.

.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.

1.5 DELIVERY, STORAGE AND HANDLING

.1 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

.2 Storage and Handling Requirements:

.1 Store materials off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.

.2 Store and protect furniture from nicks, scratches, and blemishes.

.3 Replace defective or damaged materials with new.

.3 Remove all packaging from site at end of each day and at end of installation.

1.6 WARRANTY

.1 Submit written assurance that replacement parts will be available for minimum of 10 years following discontinuation of product manufacture.

.2 Ensure warranties provide for repair rather than replacement.

1.7 SPECIFIC INFORMATION FOR CONTRACTORS

.1 Work to the building is expected to be completed prior to the delivery of furnishings to the site.

.2 Contractors are required to site confirm dimensions of spaces scheduled to receive furnishings prior to placing order.

.3 Workstations will be installed to three distinct areas of the building inclusive of the main floor, intermittent floor and second floor.

.4 There is no elevator in the building. Access to the upper floor areas will be via dog leg stairs with a finished width of +/- 48".

.5 Contractors shall confirm the clear path of travel to individual rooms and areas to ensure furniture can be moved without constraint.

Part 2 Products

2.1 MATERIALS

.1 Adhesives used to apply plastic laminates capable of achieving tensile strength of 552 kPa minimum when tested to ASTM C297.

.2 Products and components: to CAN/CGSB-44.227.

.3 Type of finish: to CAN/CGSB-44.227, laminates, painted.

2.2 TECHNICAL WORKSTATION TKS - 1

.1 Technical workstation, comprised of a lower bench table with open frame base and steel upper frame slotted to receive organizational components. Worksurface and base capable of supporting 1000 lbs.; upper frame capable of supporting 400 pounds.

.2 Overall dimension is 72” wide x 36” d x 84” high. Top of worksurface to be located at 36” above the finished floor.

.3 Lower base constructed of 14 gauge steel with welded support foot and leveller and shelf supporting lower and upper cross bars. Base to be height adjustable from 26” to 38”.

.4 Provide a 72” w. x 12” d. 14 gauge cold rolled steel shelf to lower cross bar. Shelf to have a weight capacity of 400 pounds.

.5 Worksurface is 45 pound density particle board with high pressure laminate finish, bullnose front edge and and 1/8” edgeband on sides and back. Finished thickness of 1 1/8”. Provide 3” diameter grommet for cable management. Attach to base frame with metal to metal connectors.

.6 Upper frame of 14 gauge cold rolled steel mechanically fastened to the top of the table and capable of holding 400 pounds. Uprights are slotted at 1” increments to allow for height adjustability of components.

.1 Provide two fixed shelves, 72” wide by 18” d. finished with high pressure plastic laminate.

.2 Provide a 24” x 24” whiteboard.

.3 Horizontal and vertical integrated cable management.

.7 Electrical – must meet CSA standards. Provide 72” wide service bar 15 AMP power strip with 16 outlets and 15’ Cord.

.8 Finishes:

.1 Paint finish for base frame and organizer frame to be selected from manufacturer’s 3 standard finishes.

.2 Plastic laminate finish to be

.9 Quantity and Tagging:

.1 TKS – 1: Total of 6

.1 6 to Lab Area.

.10 Acceptable Product:

.1 Mayline “Techworks Workbench Station

.2 Or approved equal in accordance with B7.

2.3 TECHNICAL WORKSTATION TKS – 2

.1 Technical workstation, comprised of a lower bench table with open frame base and steel upper frame slotted to receive organizational components. Worksurface and base capable of supporting 1000 lbs.; upper frame capable of supporting 400 pounds.

.2 Overall dimension is 60” wide x 36” d x 84” high. Top of worksurface to be located at 30” above the finished floor.

.3 Lower base constructed of 14 gauge steel with welded support foot and leveller and shelf supporting lower and upper cross bars. Base to be height adjustable from 26” to 38”.

.4 Provide a 60” w. x 12” d. 14 gauge cold rolled steel shelf to lower cross bar. Shelf to have a weight capacity of 400 pounds.

.5 Provide 3 – 24” wide x 12” deep lockable storage bins.

.6 Worksurface is 45 pound density particle board with high pressure laminate finish, bullnose front edge and 1/8” edge band on sides and back. Finished thickness of 1 1/8”. Provide 3” diameter grommet for cable management. Attach to base frame with metal to metal connectors.

.7 Upper frame of 14 gauge cold rolled steel mechanically fastened to the top of the table and capable of holding 400 pounds. Uprights are slotted at 1” increments to allow for height adjustability of components.

.1 Provide 2 - 24” x 24” pegboards.

.2 Horizontal and vertical integrated cable management.

.8 Electrical – must meet CSA standards. Provide 72” wide service bar 15 AMP power strip with 16 outlets and 15’ Cord.

.9 Finishes:

.1 Paint finish for base frame and organizer frame to be selected from manufacturer’s 3 standard finishes.

.2 Plastic laminate finish to be

.10 Quantity and Tagging:

.1 TKS – 2: Total of 1 to Lab Area

.11 Acceptable Product:

.1 Mayline “Techworks Workbench Station

.2 Or approved equal in accordance with B7.

2.4 SCHEDULE

.1 Goods identified within this section of the Bid Opportunity Document are required to be on site no later than 6 to 8 weeks following receipt by the Contractor of final finishes and materials.

Part 3 Execution

3.1 SITE CONFIRMATION

.1 Prior to placement of order the Contractor shall attend the place of Work

.1 to carry out onsite dimensioning of rooms and spaces to which the goods shall be installed.

.2 coordinate with electrical locations on site to ensure base power feeds are provided for connection to powered panels.

.3 confirm mounting heights for electrical to ensure access for power cords from workstations.

3.2 DELIVERY AND INSTALLATION

.1 Contractor shall make arrangements to access the site for purpose of delivery and installation

.1 through contacting the City of Winnipeg Contract Administrator identified in the Bid Opportunity or

.2 where the Prime Contractor for the Building is still carrying out Work on site through contacting the site supervisor. Contact information will be provided if required.

.2 Contractor shall deliver the goods to the location within the building using access doors and routes as identified by the City of Winnipeg Contract Administrator.

.3 Contractor to review locations to receive goods at the start of the installation and identify conflicts which will disallow him / her from carrying out their Work.

.4 Contractor shall report identified conflicts [which may include but not be limited to mechanical and electrical devices mounted on walls, insufficient wall space or aisle space that could not be determined during pre order walk through) to the City of Winnipeg Contract Administrator.

.5 Contractor shall install technical workstations plumb and level to locations indicated on the Furniture Plans F-1 and F-2 as provided with Part E - Specifications of the Bid Opportunity.

END OF SECTION