

Part 1 General

1.1 SCOPE OR WORK

- .1 This Bid Opportunity defines minimum design standards for the following furnishings:
 - .1 Conference Room Tables
 - .2 Lunchroom/Training Tables
 - .3 Occasional Tables.

1.2 RELATED REQUIREMENTS

- .1 Section 12 50 04: Office, Conference, Lunchroom and Lounge Seating.

1.3 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1-2009, Particleboard.
- .2 American National Standards Institute (ANSI)/Business and International Furniture Manufacturers Association (BIFMA) International
 - .1 ANSI/BIFMA X7.1, American National Standard for Formaldehyde and TVOC Emissions.
 - .2 ANSI/BIFMA M7.1, Test Method for Determining VOC Emissions.
- .3 ASTM International
 - .1 ASTM C297/C297M-15, Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions.
- .4 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-44.227-[2008], Freestanding Office Desk Products and Components.
- .5 CSA International
 - .1 CSA Electrical.
- .6 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .7 The Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual - [current edition].
- .8 Underwriters' Laboratories Canada (ULC)
 - .1 CAN/ULC-S102-[2010], Standard Method of Test for Surfaces Burning Characteristics of Building Materials and Assemblies.

1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for furniture and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit 2 copies of WHMIS MSDS in accordance with Section D8 Material Safety Data Sheets.
- .2 Furniture Plan:
 - .1 Submit PDF of furniture plan populated with accurate sized items being provided as part of the Contractors quotation for the Work.
 - .2 Plan must clearly identify conflicts with minimum dimensions requested on Furniture Plans F-1 and F-2 provided with Part E – Specifications of the Bid Opportunity.

1.5 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.

1.6 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials 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.

1.7 WARRANTY

- .1 Submit written assurance of a ten year warranty for goods identified herein.
- .2 Submit written assurance that replacement parts will be available for minimum of 5 years following discontinuation of product manufacture.
- .3 Ensure warranties provide for repair rather than replacement.

1.8 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 goods prior to placing order.
- .3 Tables 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 goods 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.

2.2 TABLES GENERAL

- .1 Information provided relative to the number of bases and sections for the table top are guidelines only. Each Bidder shall evaluate these criteria based on the product they are submitting for consideration.

2.3 CONFERENCE TABLES TB-1

- .1 Boat shape arc end conference table supported by one rectangular island base. Table to be capable of having electrical and communication wiring concealed within its base. Up to three access cut outs in bottom of base to access 12" x16" electrical pedestal in floor. Base to have panels to allow for access to the electrical. Structure on the underside of the table to allow for horizontal cable management.
- .2 Table top;
 - .1 Dimensions: 144" L. x 1 ½" H. x 42/54W.
 - .2 Top to be finished in high density plastic laminate finish on medium density fibreboard. Edges to be square and finished with a PVC edge band. Top to be shipped in three pieces.
 - .3 Fabricator shall cut openings in the table top (two end pieces) to allow for installation of the Ektron Cable Cubby 1400. Template to be provided to fabricator prior to fabrication. Installation of Cubby to be by AV contractor on site.
- .3 Base:
 - .1 Dimensions: 99" L.x 25" W. x 26" H +/-
 - .2 Base to be finished in high pressure plastic laminate on medium density fibreboard substrate and shall be equipped with cut out(s) in the bottom

- panel and access doors face. Fabricator shall ensure the cut edges are protected from moisture.
- .3 Table kick base shall be finished in gloss aluminum.
- .4 Base to be equipped with glides for levelling the table.
- .4 Support Beam:
 - .1 Provide support beam on underside of table top and to allow for horizontal cable management.
- .5 Finishes: to CAN/CGSB-44.227, high pressure laminates and paint.
 - .1 Finishes to be selected from fabricators full range of finishes.
 - .2 Edge banding to match to the table top laminate.
 - .3 Base finish will not be the same as the table top finish.
- .6 Quantity and Tagging:
 - .1 Total of 1 to Main Floor Boardroom
- .7 Acceptable Products
 - .1 Krug Nuvo Conference Table
 - .2 Or approved equal in accordance with B7.

2.4 CONFERENCE TABLES TB-2

- .1 Rectangular conference table supported by one rectangular island base. Table to be capable of having electrical and communication wiring concealed within its base. Access cut outs in bottom to access electrical pedestals in floor and access panels on face of pedestals. Structure on the underside of the table to allow for horizontal cable management.
- .2 Table top;
 - .1 Dimensions: 96" L. x 42"W x 1 ½" H.
 - .2 Top to be finished in high density plastic laminate finish on medium density fibreboard. Edges to be square and finished with a PVC edge band. Top to be shipped in two pieces.
 - .3 Fabricator shall cut openings in the table top to allow for installation of the Ektron Cable Cubby 1400. Template to be provided to fabricator prior to fabrication. Installation of Cubby to be by AV contractor on site.
- .3 Base:
 - .1 Dimensions: 39"L x 18" x 26" +/-
 - .2 Base to be finished in high pressure plastic laminate on medium density fibreboard substrate and shall be equipped with a cut out in the bottom panel and access doors on the face. Fabricator shall ensure the cut edges are protected from moisture.
 - .3 Table kick base shall be finished in gloss aluminum.
 - .4 Base to be equipped with glides for levelling the table.

- .4 Support Beam:
 - .1 Provide support beam on underside of table top and to allow for horizontal cable management.
- .5 Finishes: to CAN/CGSB-44.227, high pressure laminates and paint.
 - .1 Finishes to be selected from fabricators full range of finishes.
 - .2 Edge banding to match to the table top laminate.
 - .3 Base finish will not be the same as the table top finish.
- .6 Quantity and Tagging:
 - .1 Total of 1 to Second Floor Boardroom
- .7 Acceptable products
 - .1 Krug Nuvo Conference Table
 - .2 Or approved equal in accordance with B7.

2.5 LUNCHROOM / SEMINAR TABLE

- .1 Rectangular table with 'C' base and folding mechanism. Tables to be able to nest when in the folded position. Base to be equipped with glides with height adjustability. Table to allow for two persons to be seated along each of the long sides.
- .2 Table top;
 - .1 Dimensions: 60" L. x 30" W x1 1/8" H. (+/- 1")
 - .2 Top to be finished in high density plastic laminate finish on 45 pound fibreboard MDF core and backer material. Knife edge.
- .3 Base:
 - .1 Dimensions: 20"
 - .2 'C' bases to be finished in powder coated paint finish. Inset +/- 3" from table edge.
 - .3 Base to be equipped with glides for levelling 1 1/4" I height.
- .4 Folding mechanism:
 - .1 Provide release handle for table top that can be operated with one hand.
- .5 Finishes: to CAN/CGSB-44.227, high pressure laminates and paint.
 - .1 Finishes to be selected from fabricators full range of finishes.
- .6 Quantity and Tagging:
 - .1 Total of 9 installed to Lunchroom / Seminar Room
- .7 Acceptable products
 - .1 Krug Nuvo Conference Table
 - .2 Or approved equal in accordance with B7.

2.6 OCCASIONAL TABLE

- .1 Square occasional table with plastic laminate finish and metal base.
- .2 Dimensions:
 - .1 24" x 24" x 21" high.
- .3 Finishes:
 - .1 Plastic laminate as selected from manufacturer's full range of finishes.
 - .2 Metal base to be powder coated paint finish as selected from manufacturer's full range.
- .4 Quantity and Tagging:
 - .1 Total of 1 to TMC Waiting Area
- .5 Acceptable Product:
 - .1 Krug Sutton
 - .2 Or approved equal in accordance with B7.

2.7 FABRICATION

- .1 Manufacture furniture to allow for dismantling and replacing of worn or defective components and recycling options following first use.
- .2 Seal exposed surfaces of particleboard constructed with urea formaldehyde adhesives to contain formaldehyde emissions.

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

- .1 Preparation for delivery: to CAN/CGSB-44.227 and in conformance with standard commercial delivery practice.

3.3 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 goods plumb and level to locations indicated on the Furniture Plans F-1 and F-2 provided with Part E – Specifications of the Bid Opportunity.

END OF SECTION