



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Title - Sujet Collaborative Furniture for GTA	
Solicitation No. - N° de l'invitation EQ754-180521/A	Amendment No. - N° modif. 006
Client Reference No. - N° de référence du client EQ754-180521	Date 2017-09-25
GETS Reference No. - N° de référence de SEAG PW-\$TOR-024-7327	
File No. - N° de dossier TOR-7-40015 (024)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-10-02	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Brewster, Shannon	Buyer Id - Id de l'acheteur tor024
Telephone No. - N° de téléphone (905) 615-2028 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

SOLICITATION AMENDMENT No. 006

This solicitation amendment No. 006 is raised to:

1) Amend the solicitation.

1) Solicitation amendments:

1a) At Annex A – Statement of Work, of the solicitation,

Delete: Annex A – Statement of Work, in its entirety, and

Insert: Annex A – Statement of Work (Revision 1) (See below)

1b) At Appendix 1 to Annex A – Detailed Product Requirements, of the solicitation,

Delete: Appendix 1 to Annex A – Detailed Product Requirements, in its entirety, and

Insert: Appendix 1 to Annex A – Detailed Product Requirements (Revision 1) (See below)

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

ANNEX A

STATEMENT OF WORK (Revision 1)

1. REQUIREMENT

The Department of Public Services and Procurement Canada (PSPC), are renovating floors 10, 11 and 12 of the Joseph Shepard Building located at 4900 Yonge Street, Toronto, ON. Usable area consists of approximately 80,000 square feet. The client requires a minimum of LEED CI Silver 1.0 certification upon completion.

2. SCOPE

This specification is for the supply, delivery and installation of newly manufactured tables (meeting, side and laptop), credenzas, chairs (stools and lounge) and soft seating within open and closed common areas, closed offices and seating within lunch rooms with wire management for electrical and data connectivity (by others), unless otherwise indicated.

- a) Product need not all be from the same manufacturer.
- b) All products must be new.

3. RESPONSIBILITY

The Contractor will supply, deliver and install the Work detailed in all parts of Annexes "A". The Contractor is responsible for ensuring that its goods and services listed in its proposal fully comply with the requirements of the Contract and in particular, the Contractor is responsible for ensuring that the goods fully furnish and correspond to all parts of Annex "A". In the event the Contractor omitted to include, in its offer, goods or services required to completely furnish all parts of Annex "A", the Contractor must supply, deliver and install/perform the missing goods/services at no additional cost to Canada. After Contract award the Contractor must submit a Product Catalogue listing all products being offered. Product Catalogue must show images product description.

4. GENERAL CONDITIONS

4.1 Schedule

- a) The furniture installation for all 3 floors will be a phased implementation.
- b) A preliminary schedule has been provided at Appendix 3 to Annex A.
- c) The Contractor will need to coordinate the furniture installation with the Contractor, Maple Leaf Property Management (MLPM) and the Project Authority (PA).

4.2 Site Meetings

- a) The Contractor must attend 4 (four) construction site meetings for each phase, for a total of 12 (twelve) site meetings, on the date and time agreed to by the PA.

4.3 Building Access

- a) Contractor and installer must be certified for all products that are specified.
- b) Contractor must identify use of a third party installation company if applicable.
- c) Access to the site and parking for deliveries is to be reviewed with MLPM.
- d) All deliveries are to be during regular business hours and brought through the Loading Dock.
- e) Installation to be completed during regular business hours.
- f) Any excessively noisy work must be completed after regular business hours.
- g) Loading dock hours are 8am – 4:30pm.
- h) Proper safety attire must be worn by the furniture installers until Hard Hat fit out.
- i) Regular building business hours are 7 am – 5pm.

4.4 Security

- a) The Contractor must be responsible for securing their equipment and materials.

b) The Contractor must comply with MLPM's Construction policy requirements during construction.

4.5 Safety

a) The Contractor must comply with the requirements of the Occupational Health and Safety Act; the Owners Safety Manual, and all codes and authorities having jurisdiction.

4.6 Garbage Removal

a) The Contractor must maintain work areas, and adjacent areas free from accumulations of waste products and debris arising from this project.

b) The Contractor must remove garbage and debris daily. There is no access for on-site storage of construction debris.

c) The Contractor must comply with both LEED Credits Material and Resources Credits R 2.1 and MR 2.2 for all waste removal.

d) The contractor must submit manifests, weight tickets, receipts and invoices for each material recycled, reused or disposed of, indicating tonnes of materials, date of removal from jobsite and receiving party.

4.7 Clean Up

a) Prior to completion, the furnishings must be left clean and suitable for occupancy by MLPM.

4.8 Certificates and Approvals

a) The Contractor and all Sub-Contractors must be in good standing order with the Provincial Workplace Safety and Insurance Board, and must be prepared to provide evidence of same at MLPM's request.

5. REFERENCES AND TEST REQUIREMENTS

5.1 American National Standards Institute (ANSI) / Business and International Furniture Manufacturers Association (BIFMA International)

a) ANSI/BIFMA x 5.4 - American National Standard for Office Furnishings – Lounge Seating - Tests.

b) ANSI/BIFMA M7.1-American National Standard For Office Furnishings - Standard Test Method for determining VOC Emissions from Office Furniture Systems, Components and Seating.

c) ANSI/BIFMA X5.1-, American National Standard for General Purpose Office Chairs.

d) BIFMA Mechanical Test Standards-Complied Definitions –BIFMA-PD-1.

5.2 California Department of Consumer Affairs California Technical Bulletin 117 – Requirement Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture.

5.3 Association of Contract Textiles (ACT)

a) Voluntary Performance Guidelines for Upholstery.

5.4 Canadian General Standards Board (CGSB)

a) GreenGuard Certification Standards for Low-Emitting Products.

b) CAN/CGSB-44.227 Free-standing Office Desk Products and Components.

5.5 Standards for wood veneers and sub straights certifications. (ANSI – Hardwood Plywood and Veneer Association / National Practice Board Association)

5.6 All ANSI/BFMI tests only must be completed at an acceptable testing facility. An independent testing laboratory and/or a company owned laboratory are acceptable provided that the laboratory has been accredited by a nationally recognized body such as Standards Council of Canada, A2LA (American Association for Laboratory Accreditation) or is listed on the Canadian General Standards Board (CGSB) Laboratory Acceptance Program.

- 5.7 Seating – All seating must meet the requirements of this specification and the acceptance levels of the performance tests described in ANSI/BIFMA X5.4.
- 5.8 Flammability - All applicable components must comply with California Technical Bulletin 117.
- 5.9 Upholstery - The fabric used to upholster the chairs must at least meet the ACT textile performance Guidelines for upholstery and must pass its applicable testing requirements and acceptance levels.
- 5.10 Revised Test Standard(s): Reference is made to the testing Standards listed within this annex and to the requirement that all products offered in the SA have successfully passed the referenced testing Standards. If the referenced test Standards change, the products must successfully pass the revised test Standard(s). Only the tests that have been revised must be performed, and, this testing must occur within nine months from the date of the revised test Standard(s).
- 5.11 Product Changes: When physical changes are made to products already tested against the above referenced test Standards, the changed product(s) must also be tested within nine months from the date of the product change. The applicable tests and the applicable test Standards will be those deemed by an Acceptable Test Facility.
- 5.12 For all test reports that are not specific to the products in this solicitation, the Supplier must provide an explanation to Canada as to why the “worst-case condition” applies to the products. The definition of “worst-case condition” can be found in BIFMA PD-1.

NOTE: Reference to the above publications, or test methods, is to the latest issue unless otherwise specified.

6. PERFORMANCE REQUIREMENTS

- 6.1 Quality of Workmanship of any items not included within CAN/CGSB 44.227 – Freestanding Office Desk Products - The assembled components must be uniform in quality, style, material and workmanship and must be clean and free from any defects that may affect appearance, serviceability, or safety. When assembled in all possible configurations there must be no visible unfinished edges or surfaces. Lubricated parts must be protected against accidental contact with the user, the user's clothes or documents. Wood core surfaces must be of a balanced construction to prevent warping. The finished products must be stable, uniform in quality, style, material and workmanship, and be clean and free from defects that may affect appearance, serviceability and safety.
 - a) External surfaces must be smooth and all edges must be rounded and/or beveled. All accessible surfaces must be free from sharp edges, burrs and any other hazards to safety.
 - b) Doors must fit squarely and evenly into the openings on all sides.
 - c) All welds must be structurally sound, free from cracks and surface voids. They must be clean, smooth and uniform in appearance and free from scale, flux, trapped foreign matter or any other inclusions that may be detrimental to the application of the primer or final finish.
 - d) Fixed, moveable or adjustable parts must be constructed so that they cannot unintentionally become loose, dislodged or cause personal injury.
- 6.2 Table substrate must be minimum 25.4mm (1”) thick to a maximum of 30.2mm (1-3/16”).
- 6.3 All components to have their own supports. Legs are not to be shared in furniture configurations.
- 6.4 Metal supports must be constructed of factory finished steel or anodized aluminum.
- 6.5 Style and finish must coordinate between all pieces unless otherwise indicated.

- 6.6 Co-ordination of AV Components – Manufacturer to cut table surfaces in shop to suit client supplied AV components. Template to be supplied by AV vendor. Quantity and size to be as stated in detailed requirements sections of this document for Tables TB-04E, TB-07A (qty 1, only in space 12S59), TB-09, TB-12, TB-14, TB-14A, TB-14B, TB-14C, TB-14D, TB-15, TB-15A, TB-15B, TB-16A, TB-16B, TB-16C, TB-16D, TB-16E, TB-16F, TB-18A, TB-18C, TB-23.

7. ENVIRONMENTAL REQUIREMENTS

- 7.1 When the substrate for tables, credenzas and lecterns or any other component is a composite wood product (i.e. particleboard, medium density fiberboard, plywood) that contains urea-formaldehyde based resins, the substrates must be fully encapsulated on all six sides.
- a) All wood used in the manufacture of products offered must originate from a sustainably managed forest as certified by Canadian Standards Association (CS), Forest Stewardship Council (FSC), Program for the Endorsement of Forest Certification (PEFC) or Sustainable Forestry Initiative (SFI).
 - b) Holes drilled into the composite wood product components at the factory must be supplied with plugs that can be removed when the holes are required for the assembly of the tables, credenzas and lecterns. Holes do not need to be plugged if the product does not emit formaldehyde resulting in an indoor air concentration of more than 50 µg/m³. (This can be achieved by product listing on Ecologo, Greenguard, etc.)
 - c) Adhesives used in the manufacture of tables, credenzas and lecterns must be free of Hazardous Air Pollutants (HAP's).
- 7.2 Materials Chemistry:
- a) Must be constructed free of environmentally hazardous materials such as CFC (chlorofluorocarbon), solvent- based adhesives, heavy metals (chrome, lead, and mercury) and benzene.
 - b) Shall be constructed free of environmentally hazardous processes such as those that produce VOC's and deplete ozone.
 - c) Painted components must be coated with powder coat paint, which results in minimal waste, consumes less energy and requires no solvents, compared to traditional wet paint processes. One exception shall be permitted for touch controls, which are wet coat painted to meet the durability needs to these high wear components.
 - d) A power cord which doesn't contain PVC plastic shall be standard.
 - e) PVC-free edge banding shall be standard on applicable components to avoid long-term human and environmental health dangers of PVC and to gain LEED Innovation and Design credit.

8. PACKAGING AND DISTRIBUTION

- 8.1 Corrugated containers used must contain at least 80% recycled content paper fiber.
- 8.2 Blanket wrapping must be used for short distances of 100 km or less when the orders are of sufficient order size (i.e. enough to fill a truck).
- 8.3 As a minimum, the Supplier must implement one of the following requirements:
- a) Products to be shipped in bulk (e.g. can be disassembled into parts at source, packed more densely for shipping and reassembled on site);
 - b) Packaging is recyclable and/or bio-degradable;
 - c) Packaging is returnable to the supplier/shipper; or
 - d) Packaging is reusable.

9. PRODUCTS

- 9.1 SEATING MATERIALS & COMPONENTS:

-
- a) Fabric
- (i) Fabric must meet the following category requirements of the Association for Contract Textiles (ACT) Voluntary Performance Guidelines: Wet + Dry Crocking, Physical Properties, Flammability; and Colorfastness to Light.
 - (ii) Fabric for the chair offered must have an abrasion resistance rating of 75,000 double rubs (DR) or more.
 - (iii) Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
 - (iv) Must have the option of stain resistant fabric.
 - (v) All finishes, fabric colour & pattern To Be Determine (T.B.D.) by designer from manufacturer's full range. Flexibility of mixing and matching fabrics must be allowed (i.e. chair may have a solid fabric on the back and a strip fabric on the seat and back cushion).
 - (iv) Patterns must align at seams.
- b) Base/exposed frame
- (i) Metal finish.
 - (ii) All exposed legs must be brushed metal.
 - (iii) Painted components must be finished with powder coat paint.
- c) Seat/Back Material
- (i) Fabric
 - (ii) Urethane type: Seat/back material must be reinforced plastic and /or polyamide
 - (iii) Molded construction flexible polyurethane must be used for the seat.
 - (iv) Plastic Laminate
 - (A) All plastic laminates must meet the high pressure laminate acceptance criteria provided in CAN/CGSB-44.227- Freestanding Office Desk Products and Components.
 - (B) Surfaces must have plastic laminate bonded to all exposed single and double faced sides.
 - (C) Solid or veneer to be FSC (Forest Stewardship Council) certified a FSC Chain of Custody certificate and must have a clear finish, and be free from open knots.

9.2 REQUIRED SAMPLES AND FINISHES:

- a) Submit fabric cards that include the 3 lowest grades of fabric carried in the manufacturer's standard offering.
- b) Submit molded plastic cards were applicable.
- c) Wood Veneer Surfaces:
 - (i) Four (4) wood veneer samples must be available.
 - (ii) Wood veneer must be a minimum thickness of 0.79mm.
 - (iii) Veneer must be press dried to a uniform content of 10%-12%. Red streaks, wild grain, worm holes and improper cut is not permitted. A limited number of pin knots are permitted provided they are not in a cluster and do not detract from overall appearance of the panel.
 - (iv) All veneer grain must be aligned for aesthetic grain continuity.
- d) Hardware: the submission must include the complete selection of door pulls and applicable metal finishes.

9.3 MARKINGS

- a) All freestanding office furniture components must also be permanently and legibly marked with the product code and the date of manufacture or alternatively the expiry date of the warranty.
- b) All components that consist of primary, secondary or dedicated surfaces must be permanently and legibly marked with the manufacturer's name or recognized trademark.
- c) Adequate operating instructions in pictorial form and/or written form in both French and English must be provided.

10. MAINTENANCE

Instructions for recommended repair and maintenance procedures must be available for all products.

11. DEFICIENCY PROCEDURES

The Contractor must adhere to the following deficiency procedures:

- a) The Contractor must notify the Project Authority when the installation is completed;
- b) The Project Authority must arrange for the review of "The Work" (includes total scope of work including, but limited to, supply and install) with the Contractor;
- c) The review must take place no later than two (2) business days after installation is completed;
- d) If the contract is for a phased installation, the walk-through reviews must take place no later than two (2) business days after the installation for each phase is completed;
- e) The Contractor, in consultation with the Project Authority, must prepare the deficiency list documenting all items that do not meet the performance criteria as defined in the construction documents for each installation area;
- f) The Project Authority, in consultation with the Contractor, will review the deficiency list and identify any items missed by the Contractor. The Contractor will document any and all missed items in the deficiency list and redistribute;
- g) The deficiency list must be forwarded by Contractor to the Project Authority;
- h) Within five (5) business days of review of this deficiency list, the Contractor must complete all minor deficiencies and make all adjustments not requiring new parts;
- i) For all deficiencies other than those identified in point 7, the Contractor must submit a plan of action with delivery dates or comparison dates within ten (10) business days from the initial submission of the deficiency list and;
- j) The Contractor must notify the Project Authority when all deficiencies have been completed. If the Project Authority is satisfied that all deficient items meet the performance criteria specified in the Construction Documents, the Project Authority must provide the Contractor a final sign-off that the deficiencies have been satisfied within three (3) business days.

APPENDIX 1 TO ANNEX A

Detailed Product Requirements (Revision 1)

It is the responsibility of the Bidder to review and ensure that all furniture quantities and locations mentioned in this document are a reflection of the quantities and locations indicated on the Floor Plans, Annex D. The quantities and locations indicated in Annex D - Floor Plans are to take precedent.

NOTE 1: If the product proposed under Category 1: Seating is outside the specified size range, the Bidder is permitted to submit their product size and confirm that the product proposed dimensions will fit on the floor plans found in Annex D.

NOTE 2: Allowance for variation to Construction Specs - For product proposed under Category 1: Seating and Category 2: Tables, the Bidder may submit product(s) that are outside the Construction specifications detailed below in this document. For those proposed products, the Bidder must submit construction specifications that are applicable to each and they must meet the Test Requirements outlined in Annex A – Statement of Work (Revision 1), Section 5.

1. Category 1: SEATING

1.1 CH-02 Banquette Bench

1.1.1 Dimensions:

- 76" width (W) x 34" depth (D) x 16" seat height (SH) and 50" high screen; Location – refer to Floor Plans
- Dimensions can vary, tolerance of +/- 2"
- Screen height not to exceed 52" High.

1.1.2 Construction:

a) Base

- Base frame is a welded assembly of 1" x 1-1/2" steel tubing, .083" thick and formed steel brackets.
- A 1/2" thick Baltic Birch or CDX plywood sheet spans the width of the unit to support the seat cushions.
- Upholstered outer frame is made up of a perimeter of extruded polypropylene tubing, connected with molded polypropylene joints. Frame extrusions feature grooves for the fabric to be held tautly with a non-woven polyester welt. A PET plastic sheet, 7.5mm thick, provides light blocking at the end.
- Glides are made up of a steel pin with a pivoting nylon base.

b) Seat

- Seat cushions are made up of two nested cushions, the inner being 2-1/2" thick and 1.8 lb/cu ft. and an outer being 4-1/2" thick and 3.0 lb/cu ft.
- Backrest cushions are 220.5mm (8-11/16") thick and 3.0 lb/cu ft. with a plywood back panel for reinforcement.

c) Screen

- Structural inner frame is an assembly of 7/8" x 7/8" steel tubing, .083" thick. Tubular steel pieces are connected to each other with powdered metal inserts.
- Upholstered outer frame is made up of a perimeter of extruded polypropylene tubing, connected with molded polypropylene joints. Frame extrusions feature grooves for the fabric to be held tautly with a non-woven polyester welt.
- Glides are made up of a steel pin with a pivoting nylon base.

1.1.3 Finishes:

- Seat, Back, and Base: Manufacturer's fabric.

- Fabric for the chair must have an abrasion resistance rating of 75,000 double rubs (DR) or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern To Be Determine (T.B.D.) from manufacturers full range.

1.2 CH-03 Lounge Chair

1.2.1 Dimensions:

- 27" to 33½" W x 28" to 36"D x 29" to 32" height (H) x 16" to 18" SH; Location - 10S52, Corridor 11S43B, 12N20

1.2.2 Construction:

- Internal frame covered in high density mould-injected resilient foam (HR).
- Four (4) leg wooden base.
- Non marking durable glides.

1.2.3 Finishes:

- Solid wood frame and base.
- Seat and Back: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.3 CH-04(A-C) Deluxe Sofa

1.3.1 Dimensions:

- CH-04A - 72 x 96" "L" shaped x 28"D x 31"H x 18" to 19" SH; Location - 10N24, 11S52
- CH-04B - 96" x 96" "L" shaped x 28"D x 31"H x 18" to 19" SH; Location - 11S41
- CH-04C - 96" to 97" Straight x 28"D x 31"H x 18" to 19" SH; Location - 10N20

1.3.2 Construction:

- Frame is welded tubular steel, 3/4" x 1-1/2" with steel angle reinforcements in the corners. Frame is reinforced with plywood panels for durability. Panel thicknesses vary between 3/8" to 3/4" thick.
- Seat and back cushion consists of multiple densities of foam.

1.3.3 Finishes:

- Seat and Back: Manufacturer's fabric.
- Base: Manufacturer's Standard Metal Finish.
- Fabric for the chair offered must have an abrasion resistance rating of 75,000 double rubs (DR) or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.4 CH-05 Round Back Chair

1.4.1 Dimensions:

- 25¾"W x 21 ¾"D x 31¾"H x 18"SH; Location - 10S58, 10N32, 10S75, 10N12, 11S50, 11S54, 11N17, 11N19, 12N18, 11N01, 11N10, 11N12, 11S49, 11S52, 12N19, 12S50, 12S51, 12N03, 12N21, 12S59

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- Dimensions can vary, tolerance of +/- 1"
- 1.4.2 Construction:
- Solid wood legs with single upholstered seat and back with multi surface non marking glides.
- 1.4.3 Finishes:
- Solid wood frame and base.
 - Seat and Back: Manufacturer's fabric.
 - Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
 - Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
 - All finishes, fabric colour & pattern TBD from manufacturers full range.
- 1.5 **CH-06 Lounge Chair**
- 1.5.1 Dimensions:
- 29 ¼"W to 40"W x 32" to 35"D x 30"H to 41½"H; Location - 10S74, 10N23, 10N06
- 1.5.2 Construction:
- a) Seat
 - Seat cushion must be upholstered multiple densities of polyurethane foam with a polyester fiber topper.
 - b) Backrest
 - Backrest cushion must be upholstered multiple densities of polyurethane foam with a polyester fiber topper.
 - c) Base and Frame
 - Frame, including backrest, must be plywood tab construction, with steel bracing, glued and stapled for rigidity.
 - Seat suspension must be elastic sheet webbing or equivalent.
 - Four adjustable glides must be steel.
- 1.5.3 Finishes:
- Base: Manufacturer's Standard Metal Finish.
 - Seat and Back: Manufacturer's fabric.
 - Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
 - Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
 - All finishes, fabric colour & pattern TBD from manufacturers full range.
- 1.6 **CH-07 Counter Chair**
- 1.6.1 Dimensions:
- 18 ¾" W x 19 ½" D x 26" SH x 35 ½"H (Counter Height); Location - 10S81, 10N03, 11S62, 11N02, 12S61, 12N01
- 1.6.2 Construction:
- Contoured 13-ply poplar and oak seat and backrest. Shell is 10.5mm (.413)" thick with metallic threaded inserts for base attachment.
 - Frame/legs are constructed of carbon steel tubing, 16mm (5/8") in diameter for strength and durability.
 - Sled base glides are high density polyethylene parts attached to the base with screws.

1.6.3 Finishes:

- Base: Manufacturer's Standard Metal Finish.
- Seat and Back: Solid Wood.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.7 **CH-08 Wood Sled Base Chair**

1.7.1 Dimensions:

- 20 ½" W x 20 ½" D x 31" H x 17" to 18½" SH; Location - 10S81, 10N03, 11S62, 11N02, 12S61, 12N01

1.7.2 Construction:

- Contoured 13-ply poplar and oak seat and backrest. Shell is 10.5mm (.413)" thick with metallic threaded inserts for base attachment.
- Frame/legs are constructed of carbon steel tubing, 16mm (5/8") in diameter for strength and durability.
- Sled base glides are high density polyethylene parts attached to the base with screws.

1.7.3 Finishes:

- Base: Manufacturer's Standard Metal Finish.
- Seat and Back: Solid Wood.

1.8 **CH-10(A-B) Module Seating**

1.8.1 Dimensions:

- CH-10A – 40"W x 26"D, with back: 26"W x 6-10"H back, aligned left or right, refer to Floor Plans.
- CH-10B – 26"W x 26"D
- Location - 10S50
- Seat Height to be compatible with lab top side table TB-05.

1.8.2 Construction:

- a) Frame
 - Multiple densities of polyurethane foam and polyester foam and polyester fiber.
 - Adjustable glides.
 - Legs standard in black high-density polyurethane resin.
- b) Seat Pan
 - Seat pan is constructed of 12mm thick plywood.
- c) Seat and Back Upholstery
 - The seat back is constructed of 6½" thick, 25-45 density foam for greater firmness and support.
 - The seat is be constructed of 2¼" thick 25-35 density foam.
 - Top and double needle stitching on seams.

1.8.3 Finishes:

- Seat and Back: Manufacturer's fabric.
- Fabric for the chair offered must have an abrasion resistance rating of 75,000 (DR) or more.

- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturer's full range.

1.9 CH-11(A-B) Counter/Bar Chair

1.9.1 Dimensions:

- CH-11A - 16" to 20"W x 13" to 20"D x 24" to 29" SH (Counter Height); Location – refer to Floor Plans.
- CH-11B - 16" to 20"W x 13" to 20"D x 30" to 36" SH (Bar Height); Location – refer to Floor Plans.

1.9.2 Construction:

- Solid wood frame with upholstered seat and wood or upholstered back with adjustable glides.

1.9.3 Finishes:

- Base: Solid Wood.
- Seat and Back: Solid Wood.
- Cushion: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.10 CH-13 Armless Side Chair

1.10.1 Dimensions:

- 20" to 22"W x 20" to 22"D x 17" to 18½" SH x 30" to 32" H; Location - 12S54, 12N16

1.10.2 Construction:

- Solid or laminated wood legs with upholstered seat and upholstered back with multi surface non marking glides.
- Four (4) legs.

1.10.3 Finishes:

- Base: Solid Wood.
- Seat and Back: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.11 CH-14(A-C) Lounge Sofa

1.11.1 Dimensions:

- CH-14A - 36"W x 29"D x 29"H x 17½"SH; Location - 11N16
- CH-14B - 54"W x 29"D x 29"H x 17 ½" SH; Location - 12N21
- CH-14C - 72" W x 29"D x 29"H x 17½" SH; Location - 11N16, 12N20
- Dimensions can vary, tolerance of +/- 2"

1.11.2 Construction:

- Inner frame engineered in hardwood and plywood.

- Legs are removable and are attached to metal plate attached to frame.
- Legs are oak stained.
- System suspension is hard wood stained woven rubber webbing.
- Foam is high density with dacron top layer.
- Cushion are gradient compress form with dacron top layer.

1.11.3 Finishes:

- Base: Solid Wood.
- Seat and Back: Manufacturer's fabric.
- Fabric for the chair offered must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TB from manufacturers full range.

1.12 **CH-15 Arm Chair**

1.12.1 Dimensions:

- 22"W to 26"W x 20"D to 24"D x 17" to 18½" SH x 29" to 32"H; Location - 10S64, 10S55, 10S63, 10N25, 10N01, 11N03, 11S58, 11S42, 12S53, 12S42

1.12.2 Construction:

- Recessed arm rest.
- Solid laminated wood legs with upholstered seat and upholstered back and arm rest with multi surface non marking glides.
- Four (4) legs.

1.12.3 Finishes:

- Base: Solid Wood.
- Seat and Back: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.13 **CH-18 High Back Banquette**

1.13.1 Dimensions:

- 59" to 64"W x 24" to 32"D x 28" to 53"H back height, with screen; Location - 12S50B
- Screen not to exceed 54.

1.13.2 Construction:

- a) Frame
 - Built entirely with 3/4" medium density fiberboard (MDF).
 - Interlocking joinery is machined into each frame part to eliminate dowels.
 - The back bolster is attached to the seat using T-nuts and hex bolts.
- b) Leg
 - Frame is supported by four metal legs.
 - Fabricated from 7/8" o.d., 14 gauge steel tubing.
 - Mounting brackets are fabricated from 14 gauge steel plate and welded to the legs prior to fastening to the frame.
 - Swivel glides with a metal cap are installed to the inserts on each leg.

- c) Seat
 - Seat suspension is 2" resilient strap webbing.
 - Seat is constructed of 3 ½" layered HR-33 foam over HR-20 foam.
 - Back Construction is 4" layered HR-33 foam over HR-20 foam.
 - All seams double needed for added seam integrity.
- d) Screen
 - Screen to equal size of upholstered unit. Screen height to be 42".

1.13.3 Finishes:

- Seat, Back, Base, and Screen: Manufacturer's fabric.
- Base: Manufacturer's Standard Metal Finish.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.14 CH-19 High Back Lounge Chair

1.14.1 Dimensions:

- 30" to 46"L x 28" to 36"D x 17" to 18½"SH x 36" to 54"H; Location - 10N02

1.14.2 Construction:

- Frame is hardwood plywood construction.
- Frame is upholstered over poplar hardwood panel.
- Upholstered back to wrap around seat at arms.

1.14.3 Finishes:

- Base: Manufacturer's Standard Metal Finish.
- Seat and Back: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.15 CH-20 Bench

1.15.1 Dimensions:

- 52"W x 21½" D x 31⅞"H x 18"SH; Location - 10N02
- Dimensions can vary, tolerance of +/- 1"

1.15.2 Construction:

- Single upholstered seat with solid or laminate wood legs and back with multi-surface non marking glides.

1.15.3 Finishes:

- Base: Solid Wood.
- Back: Solid Wood.
- Seat: Manufacturer's fabric.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
- All finishes, fabric colour & pattern TBD from manufacturers full range.

1.16 CH-21 Desk Height Chair

1.16.1 Dimensions:

- 21"L x 18⁷/₈"D x 18" to 18¹/₂" SH; Location - refer to Floor Plan
- Dimensions can vary, tolerance of +/- 1"

1.16.2 Construction:

- Plastic seat in injection molded poly propylene plastic.
- Sled base is constructed of durable welded ½" diameter carbon steel wire and features plastic glides.
- Stool weighs less than 25 lbs or less for ease of movement.

1.16.3 Finishes:

- Base: Manufacturer's Standard Metal Finish.
- Seat and Back: Plastic.

1.17 CH-22 Individual Private Workstation

1.17.1 Dimensions:

- Overall 42" W x 36"D x 48"H x 17"Seat Height; Location – refer to Floor Plans
- Work surface size 18"W x 17"D
- Dimensions can vary, tolerance of +/- 1"

1.17.2 Construction:

a) Frame

- Seat support consists of steel components welded together.
- Legs feature adjustable glides which are steel with a nylon or equivalent plastic over molded foot.

b) Seat and Backrest

- Upholstered cushions are comprised of molded polyurethane foam for optimal comfort.
- Outer shell material for seat and for backrest is molded polypropylene.
- Lumbar area is enhanced with four bendable .092" dia. steel wire springs.

c) Screen

- Uprights (stanchions) consist of two die cast aluminum parts attached together with screws.
- Upholstered in fabric.

d) Personal Work Surface

- Work surface is constructed of molded ASA (Acrylic-Styrene-Acrylonitrile) plastic upper and lower halves with a device tray molded of ABS plastic over molded with polyurethane plastic.

e) Footrest

- Footrest is comprised of the following components attached together with screws.
- Top shell is polypropylene plastic with a polyurethane over molded foam. Foam density is 12 lb/cu ft.

1.17.3 Finishes:

- Base: Solid Wood.
- Back: Manufacturer's fabric.
- Seat: Manufacturer's fabric.
- Work Surface: Top: High Pressure Plastic Laminate, Wood Finish.
- Fabric for the chair must have an abrasion resistance rating of 75,000 DR or more.

-
- Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
 - All finishes, fabric colour & pattern TBD from manufacturers full range.
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2. Category 2: TABLES

2.1 TB-04(A-E) Multifunctional Table

2.1.1 Dimensions:

- TB-04A - 36"D x 54"L x 28½"H; Location - 10N14, 10N21, 10S67, 11N21, 11N08, 11S58, 11S59, 12S41, 12N11, 12N15
- TB-04B - 30"D x 48" x 28 ½"H; Location - 11S52
- TB-04C - 30"W x 54" L x 28 ½" to 29" High; Location - 10S81, 10N03, 11S62, 11N02, 12S61, 12N01
- TB-04D - 30"W x 72"L x 28 ½" to 29" High; Location - 10N24, S81, 10N03, 11S62, 11N02, 12S61, 12N01
- TB-04E - 48"W x 48"W x 28½"H; Location - 11S41, 12S63

2.1.2 Construction:

a) Work Surface

- Work surface is 1⅛" thick with knife edge profile and rounded corners.
- Top surface is high pressure laminate. Flat edge band is 3mm thick.
- Work surface is 1-1/8" thick with a 45 lb/cu ft. MDF core with knife edge profile and rounded corners.
- Top and bottom surfaces are high pressure laminate.
- Flat edge band is 3mm thick, matching color on laminate.

b) Power

- Base glides lift flat base off of the floor enough for cords and cables to exit the column.

c) Column

- Column is a welded assembly consisting of a 3" diameter, 11 ga. (.118") thick steel tube with a conical-shaped steel top support and base support. A steel reinforcement tube and threaded 1/4" thick steel plate provides structure at the base.

d) Base

- Rectangular-shaped base is a steel plate, 3/8" thick.
- Adjustable glides are nylon.

2.1.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Finish.

1.2 TB-05 Laptop Side Table

2.2.1 Dimensions:

- 17" to 20"L x 16" to 22"D x 24" to 25"H; Location – refer to Floor Plans.

2.2.2 Construction:

- Top is constructed of 1/2" thick medium density particleboard with laminate or veneer bonded to the top surface, a backer bonded to the bottom surface and a plastic edge band applied to the edges.
- Base and upright tube are extruded aluminum parts.
- Table top brace is die cast aluminum and is attached to the table top underside with screws.
- A threaded steel rod is used to attach the table top brace to the floor base. Rod is concealed inside upright tube.
- Wheels and glides are molded nylon plastic.

2.2.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Finish.

2.3 **TB-06 Round Coffee Table**

2.3.1 Dimensions:

- 34" to 40" Diameter x 17"H to 21"H; Location - 10S52, 11N16, 11S50B

2.3.2 Construction:

- Wood veneer top with three solid wood legs.

2.3.3 Finishes:

- Top: Wood Veneer.
- Base: Solid Wood.

2.4 **TB-08 Side Table**

2.4.1 Dimensions:

- 16" to 18" Diameter x 17" to 20"H; Location - 10N06, 10N23, 10S75, 10S74, 10S58, 12S63

2.4.2 Construction:

- Three metal leg construction.

2.4.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

2.5 **TB-11 Free Standing Table**

2.5.1 Dimensions:

- 36"W x 72"L x 29 1/2"H; Location - 10S70, 10S71, 10S76, 10N30, 10N13, 10N07, 11N18, 11N20, 12S62
- Free standing.
- Dimensions can vary, tolerance of +/- 1"

2.5.2 Construction:

- Top is 1/2" thick plastic laminate with 3mm edge band applied to the entire perimeter.
- Core is 45 lb medium-density particle board with backer applied to opposite side.
- Laminate is bonded to the core with a PVA adhesive in a cold press.
- Substructure features pilot holes in bottom surface to ensure proper attachment of bases.
- Star Base features a 2 1/2" ø extruded aluminum column with 1/4" wall thickness and die cast aluminum base with adjustable steel glides.

2.5.3 Finishes:

- Top: High Pressure Plastic Laminate.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

2.6 **TB-13 Counter Height Table**

2.6.1 Dimensions:

- 60"L x 18"D x 36"H; Location - 11N01
- Dimensions can vary, tolerance of +/- 1"

2.6.2 Construction:

- Solid Wood.
- 4 legs with metal foot rest.

2.6.3 Finishes:

- Top: Solid Wood.
- Base: Solid Wood with Manufacturer's Standard Metal / Powder Coated Finish foot rest.

2.7 **TB-14 (A-D) Round Table**

2.7.1 Dimensions:

- TB-14A - 60" Diameter x 28½" to 29½" H; Location - 11N03, 11S42
- TB-14B - 48" Diameter x 28½" to 29½" H; Location - 12S53
- TB-14C - 53" Diameter x 28½" to 29½" H; Location - 10N52
- TB-14D - 72" Diameter x 28½" to 29½" H; Location - 10S64

2.7.2 Construction:

- X-base, non-marking glides.

2.7.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

2.8 **TB-15(A-C) Small Meeting Room Table**

2.8.1 Dimensions:

- TB-15A - 48"D x 96"L x 28½" to 29½"H; Location - 10S54, 10S55, 11S56
- TB-15B - 36"D x 72"L x 28½" to 29½"H; Location - 10N24, 12S42
- TB-15C - 48"D x 108"L x 28½" to 29½"H; Location - 10S63

2.8.2 Construction:

- Work Surface (table top)
 - Work surface is 1 1/8" thick with a 45 lb/cu ft. MDF core with knife edge profile and rounded corners.
 - Flat edge band is 3mm thick, matching colour on laminate.
- Column
 - Column is a welded assembly consisting of a 3" diameter, 11 ga. (.118") thick steel tube with a concoil-shaped steel top support and base support. A steel reinforcement tube and threaded ¼" thick steel plate provides structure at the base.
- Base
 - Legs with non-marking glides.

2.8.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.

- Base: Manufacturer's Standard Metal / Powder Coated Finish.

2.9 TB-16(A-F) Medium / Large Meeting Room Table

2.9.1 Dimensions:

- TB-16A - 60"W x 96"L x 28½" to 29½" H; Location - 10N20, 10N32
- TB-16B - 54"D x 108"L x 28½" to 29½" H; Location - 10N20, 12N13, 12N14
- TB-16C - 60" D x 108"L x 28½" to 29½" H; Location - 11N06, 11N13, 11N14, 12N17
- TB-16D - 60"D x 120"L x 28½" to 29½" H; Location - 10N16, 11S46, 12S44, 12S45
- TB-16E - 60"D to 72"D x 120" Lx 28 ½" to 29 ½" H; Location - 10S61
- TB-16F - 72"D to 85"D x 120" Lx 28 ½" to 29 ½" H; Location - 10S61

2.9.2 Construction:

- a) Work Surface (table top)
 - Work surface is 1 1/8" thick with a 45 lb/cu ft. MDF core with knife edge profile and rounded corners.
 - Flat edge band is 3mm thick, matching colour on laminate.
- b) Column
 - Column is a welded assembly consisting of a 3" diameter, 11 ga. (.118") thick steel tube with a concoil-shaped steel top support and base support. A steel reinforcement tube and threaded ¼" thick steel plate provides structure at the base.
- c) Base
 - Legs with non-marking glides.

2.9.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

2.10 TB-18(A-C) Open Collaborative Table

2.10.1 Dimensions:

- TB-18A - 36"W x 72"L x 28½" to 29½" H; Location: 10N01
- TB-18B - 72"W x 72"L x 28½" to 29½" H; Location: 10N32
- TB-18C - 36"W x 96"L x 28½" to 29½"H; Location: 10N01
- Dimensions can vary, tolerance of +/- 1"

2.10.2 Construction:

- Legs are solid wood with metal support under table tops.
- Glides have 1½" levelling range

2.10.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
- Base: Solid Wood with contrasting metal / Powder Coated Feet.

2.11 TB-19 Rectangular Coffee Table

2.11.1 Dimensions:

- 46" to 53"W x 18" to 20"D x 12" to 18"H; Location: 12N20, 12S50B, 12N21

2.11.2 Construction:

- Four (4) legs.
- Rounded corners.

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CCC No./N° CCC - FMS No./N° VME

2.11.3 Finishes:

- Top: High Pressure Plastic Laminate, Wood Finish.
 - Base: Manufacturer's Standard Metal / Powder Coated Finish.
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3. Category 3: MISCELLANEOUS ITEMS

3.1 CR-01(A-B) Meeting Room Credenza

3.1.1 Dimensions:

- CR-01A - 108"W x 18"D x 28½" to 29½"H; Location: 10N16, 10N20, 10S56, 10S64, 10S46, 11N06, 12N13, 12N14
- CR-01B - 72"W x 18"D x 28½" to 29½"H; Location: 10S54, 10S55, 10S63, 11N03, 12N17, 12S42

3.1.2 Construction:

- Credenza for enclosed meeting rooms on painted legs that range for 6½" to 9½" high consisting of 3 file drawers.
- Lockable.
- Pull to be integrated into door.

3.1.3 Finishes:

- Top, doors and cabs: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

3.2 CR-02 Closed Collaborative Credenza

3.2.1 Dimensions:

- 108"W x 18 to 22"D x 28½" to 30"H; Location: 10S70, 10S71, 10S76, 10N30, 10N13, 10N07, 11N18, 11N20, 12S62

3.2.2 Construction:

- Credenza for enclosed meeting rooms with open centre section and four lateral file drawers..
- Lockable.
- Pull to be integrated into door.

3.2.3 Finishes:

- Top, doors and cabs: High Pressure Plastic Laminate, Wood Finish.
- Base: Manufacturer's Standard Metal / Powder Coated Finish.

3.3 FL-01 Floor Lamp

3.3.1 Dimensions:

- 20" to 28" L x 15" to 19"D x 46" to 52"H; Location: 10N06, 10N12, 10S52, 10S74, 10S75, 11N17, 11N19, 11S50, 11S52, 11S54, 12N03, 12N18, 12N19, 12N19, 12S50, 12S51

3.3.2 Construction:

- Wood floor lamp with adjustable arm.

3.3.3 Voltage:

- 120 power consumption 9w

3.3.4 Colour Temperature:

- 3000K 185 lumens.

3.3.5 Finishes:

- Stand and Post: Solid Wood.

3.4 MB-01 Easel Marker Board

3.4.1 Dimensions:

- 36"W x 54"H; Location: 12N04, 12S63

- Dimensions can vary, tolerance of +/- 1"
- 3.4.2 Construction:
 - Mobile easel on 4 casters
 - White writable surface
 - Tray for markers
 - Mounting hardware for flip chart.

- 3.4.3 Finishes:
 - Frame: Solid Wood.
 - White Writable surface.

3.5 **SC-01(A-B) Privacy Screen**

- 3.5.1 Dimensions:
 - SC-01A - 122" to 127"L x 30" to 40"D x 60" to 65"H; Location: 11S49, 12S59
 - SC-01B - 142" to 147"L x 80" to 90"D x 65" to 65"H; Location: 10N32, 11N01, 12N16
 - Dimensions to suit plan; vendor to provide layout
 - 3.5.2 Construction:
 - Free standing unit includes floor support and screen connectors.
 - The screen is compliant with UL-1286 flammability requirement.
 - 3.5.3 Finishes:
 - Screen: Manufacturer's fabric.
 - Fabric must be a minimum of two grades above the manufacturer's lowest standard fabric grade as published in the manufacturer's pricing guide.
 - All finishes, fabric colour & pattern TBD from manufacturer's full range.
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