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1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Bid Fax: (902) 496-5016

**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  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9

<b>Title - Sujet</b> OFFICE FURNITURE-4th Floor Demo	
<b>Solicitation No. - N° de l'invitation</b> E0225-142334/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> 20142334	<b>Date</b> 2014-06-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-219-9259	
<b>File No. - N° de dossier</b> HAL-4-73003 (219)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2014-06-26</b>	<b>Time Zone</b> Fuseau horaire Atlantic Daylight Saving Time ADT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Richard, Linda K.	<b>Buyer Id - Id de l'acheteur</b> hal219
<b>Telephone No. - N° de téléphone</b> (902) 496-5261 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

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

Solicitation No. - N° de l'invitation

E0225-142334/A

Client Ref. No. - N° de réf. du client

20142334

Amd. No. - N° de la modif.

004

File No. - N° du dossier

HAL-4-73003

Buyer ID - Id de l'acheteur

hal219

CCC No./N° CCC - FMS No/ N° VME

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## AMENDMENT 004

This amendment is issued to reflect the following.

### 1. Annex "A" Requirement

Delete: In its entirety

Insert: Amended Annex "A" attached

All other terms and conditions remain unchanged.

## **ANNEX "A"**

### **REQUIREMENT**

#### **SPECIFICATIONS**

##### **Item #1 C10 Swivel Tilt Lounge Chair**

**Description:** Lounge chair is light enough to be easily rearranged into collaborative groupings. The chair includes arms, a swivel return mechanism and a lounge height seat. Dimensions may be more generous to suit casual lounge use.

#### **1. General**

- 1.1 Product shall be manufacturer's standard product as offered.
- 1.2 Seat and back shall be mesh or fabric on foam construction. Back shall have integrated lumbar support. Seat and back mesh shall fully cover entire front of seat frame with no exposed fastenings or hardware. Seat and back shall be obstruction free with no horizontal cross-members on the seat and back. Mesh shall support all body positions in use and return to original installation without sagging or loss of elasticity. Upholstered seats and backs shall have contoured foam to enhance ergonomic comfort.
- 1.3 Seat shall have an integrated weight activated tilt mechanism. Chair shall offer ergonomic comfort and support without the use of manual controls or recline locks for set/release to adjust the seat or back angle.
- 1.4 Arms shall be fixed T type with durable padded surface and rounded edges that are ergonomically comfortable for the user. Arms must not obstruct users' legs when seated in a side sitting position
- 1.5 Base, hub and frame shall be made up of metal and injection molded plastic components. Powder coated paint finish shall be offered in a minimum of five standard colours including black. Injection molded plastic shall be offered in colour-through black and grey.
- 1.6 Base shall be four or five star and have a return to center mechanism.
- 1.7 Base feet shall have glides compatible with carpet tile flooring without snagging or catching.
- 1.8 All components and upholstery foams shall be free of hazardous materials such as PVC, CFC, and solvent based adhesives.

#### **2. Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"**

- 2.1 Seat dimensions: width - 22"wide x 18"deep x 16"high. Arm height - 9" Arm length - 12" Back height -20" Back width -22" Back to seat angle range shall be approximately 98° to 100°.

#### **3. Certifications**

- 3.1 All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.

- 3.2 Product shall meet or exceed all applicable ANSI/BIFMA performance standards, including ANSI/BIFMA X5.4-2012.
- 3.3 Product shall meet SCS Indoor Advantage Gold Certified or Green Guard Certified.
- 3.4 Product shall meet BIFMA Level 1 Certified.
- 3.5 Textiles shall be manufacturers' standard and pass all applicable testing as specified by the Association for Contract Textiles (ACT) to meet the following minimum standards:

Finish:	Soil and stain repellent
Brush Pill:	ASTM D-3511, Class 4
Abrasion:	ASTM D-4157, 100,000 double rubs
Colourfastness to Light:	AATCC-16, Class 4
Crocking:	AATCC-8, Dry/Class 4.5, Wet/Class 4.5
Flammability:	Class A fire rating and pass State of California Tech. Bulletin 117, Section E.C-117 Section E.

**3.6 Proof of Certifications must be submitted with bid proposal.**

**4. Warranty**

- 4.1 Chair shall be warranted for users up to 300 lbs and apply to use 24/7 without limitations.
- 4.2 Chair frame and components shall be warranted for 10 years. This includes glides. Mesh component shall be warranted as an integral part of the chair frame.
- 4.3 Textiles shall have a minimum 5-year warranty covering materials and workmanship.
- 4.4 Warranty shall cover parts and labour.
- 4.5 **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

**Item #2 C20 Upholstered tablet armchair with cup holder on casters**

**Description:** Lounge chair with casters and a pull handle for easy rearrangement. The chair includes arms, a swivel tablet work surface large enough for lap top use, a swivel cup holder and a storage shelf under the seat.

**1. General**

- 1.1 Product shall be manufacturer's standard product as offered.
- 1.2 The chair shall be fully upholstered with stitched double seams, arms and back rest. Piping upholstery detail is not acceptable.
- 1.3 The frame shall be constructed for durability and rigidity. Frame shall be covered in multiple densities of polyurethane foam and polyester foam and fibre bat to support resilient sag free upholstered surfaces.
- 1.4 Back shall have integrated lumbar support.
- 1.5 Arms shall be integral to the chair body, fully upholstered, and have curved or eased top and edges for ergonomic comfort.
- 1.6 Seat shall be open beneath to allow for a storage shelf with minimum loading of 25lbs. Storage shelf shall be recessed from seat edge to allow for foot room.

- 1.7 Chair shall have a minimum of two castors suitable for carpet tile flooring.
- 1.8 Tablet arm and cup holder shall be mounted on metal swivel mechanism to allow for clear seating entry. The mechanism shall be available in brushed or polished or clear metal finish or powder coat paint finish.
- 1.9 The tablet work surface shall be High Pressure laminate with laminate backing sheet for balanced construction. The tablet thickness shall be a minimum of 1 1/16". The tablet shall have a continuous minimum plastic edge band permanently attached to the wood core.
- 1.10 The cup holder shall be removable and have a non slip surface.
- 1.11 Textile shall be as follows: Composition: 100% polyurethane surface with 65% polyester and 35% reinforced Rayon backing. Weight: approximately 14 oz. per linear yard (432 grams per square linear meter) Thickness: 1.0 mm Finish: Soil and stain repellent Colour: Must be available in highly saturated accent colours. Colours to be selected after tender award.
- 1.12 All components and upholstery foams shall be free of hazardous materials such as PVC, CFC, and solvent based adhesives and urea formaldehyde.

**2. *Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"***

- 2.1 Overall dimensions: width – 30"wide x 28"deep x 35"high Seat width - 22" Seat height -17" Arm height from floor - 26" Arm length - 12" Back height from seat-17" Back width -21" Back to seat angle shall be approximately 102°

**3. *Certifications***

- 3.1 All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2 Product shall meet or exceed all applicable ANSI/BIFMA performance standards, including ANSI/BIFMA X5.4-2012.
- 3.3 Product shall meet SCS Indoor Advantage Gold Certified or Green Guard Certified.
- 3.4 Product shall meet BIFMA Level 1 Certified.
- 3.5 Textiles shall be manufacturers standard and pass all applicable testing as specified by the Association for Contract Textiles( ACT) to meet the following minimum standards: Antimicrobial: ASTM E 2180 Abrasion: ASTM D 4157 – 300,000Double rubs (Wyzenbeek) BS 2543 – 160,000 Rubs (Martindale) Colourfastness to Light: AATCC-16, Class 4  
Crocking: AATCC-8, Dry/Class 4.5, Wet/Class 3  
Flammability: Class A fire rating and pass State of California Tech. Bulletin 117, Section E.C-117 Section E.
- 3.6 **Proof of Certifications must be submitted with bid proposal.**

**4. *Warranty***

- 4.1 Chair shall be warranted for users up to 300 lbs and apply to use 24/7 without limitations.
- 4.2 Chair frame and components shall be warranted for 10 years. This includes casters.
- 4.3 Textiles shall have a minimum 5-year warranty covering materials and workmanship.
- 4.4 Warranty shall cover parts and labour.
- 4.5 **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

### **Item #3 C40 Lunch Room Chair**

**Description:** Shell chair for lunch room. The shell seat is a single piece with an integrated back rest constructed of easy to clean polypropylene. Chair is to be related in design to C50 High Stool.

#### **1. General**

- 1.1 Products shall be the manufacturer's standard product as offered.
- 1.2. Seat and back rest shall be single piece injection molded colour-through polypropylene plastic. It shall be designed for ergonomic comfort including rounded edges, lumbar support, flexible back movement and waterfall front seat edge. Chair shall be armless.
- 1.3. Polypropylene shall be available in white.
- 1.4. Seat to frame attachment shall be secure and designed for easy field replacement.
- 1.5. Base shall be sled design and constructed of durable welded minimum 1/2" dia. carbon steel wire. Frame shall be available in polished, brushed or powder coat paint finish.
- 1.6. Base shall have plastic glides compatible with linoleum flooring.
- 1.7. Chair shall have stacking capability.
- 1.8. All components shall be free of hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals and benzene.

#### **2. Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"**

- 2.1. Seat Dimensions: 17" deep x 19" wide x 17" high. Overall height – 34"

#### **3. Certifications**

- 3.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2. Product shall meet or exceed all applicable ANSI/BIFMA performance standards, including ANSI/BIFMA X5.1-2011 Office Seating.
- 3.3. Product shall meet SCS Indoor Advantage Gold Certified or Green Guard certified.
- 3.4. Product shall meet BIFMA Level 1 Certified.
- 3.5. **Proof of Certifications must be submitted with bid proposal.**

#### **4. Warranty**

- 4.1. Chair shall be warranted for users up to 300 lbs and 24/7 application.
- 4.2. Warranty shall be for 10 years and covers parts and labour.
- 4.3. **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

## **Item #4 C50 High Stool**

**Description:** High stool for file tables and atrium café tables. The shell seat is a single piece with an integrated raised back rest constructed of easy to clean polypropylene. Stool is to be related in design to C40 Shell Chair for Lunch room.

### **1. General**

- 1.1. Products shall be the manufacturer's standard product as offered.
- 1.2. Seat shall be injection molded colour-through polypropylene plastic with rounded edges for comfort and integral raised back rest.
- 1.3. Polypropylene shall be available in white.
- 1.4. Seat to frame attachment shall be secure and designed for easy field replacement.
- 1.5. Base shall be sled design and constructed of durable welded minimum 1/2" dia. carbon steel wire. Frame shall be available in polished, brushed or powder coat paint finish.
- 1.6. Base shall have a steel wire footrest at approximately 13" high from the floor.
- 1.7. Base shall have plastic glides compatible with ceramic tile and carpet tile.
- 1.8. All components shall be free of hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals and benzene.

### **2. Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"**

- 2.1. Functional seat depth -13"  
Seat depth -15"  
Seat width – 15"  
Seat pan angle -  
Integral backrest height - 4 1/2"  
Seat height -33" appropriate for 42" counter height  
Overall width and depth of the chair should not exceed 23" in order to accommodate a number of applications.

### **3. Certifications**

- 3.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2. All products shall meet or exceed all applicable ANSI/BIFMA performance standards, including ANSI/BIFMA X5.1-2011 Office Seating.
- 3.3. SCS Indoor Advantage Gold Certified or Green Guard certified.
- 3.4. Product shall meet BIFMA Level 1 Certified.
- 3.5. **Proof of Certifications must be submitted with bid proposal.**

### **4. Warranty**

- 4.1. Chair shall be warranted for users up to 300 lbs and 24/7 application.
- 4.2. Warranty shall be for 10 years and covers parts and labour.
- 4.3. **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

## **Item #5 SS20 Upholstered Double Seat Sofa**

**Description:** Full Upholstered double seat sofa for collaborative space. This unit must be related in design to T-10 Coffee Table.

### **1. General**

- 1.1 Product shall be manufacturer's standard product as offered. The product shall offer a family of product that includes coffee and end tables with matching finishes and coordinating design elements. Refer to T-10 Coffee Table.
- 1.2 The unit shall be fully upholstered with stitched double seams, armless and include a bolster style back rest fastened to the seat. Piping upholstery detail is not acceptable. The shape shall be a rectangular bench form footprint with a connected bolster style back. For ergonomic comfort the front seat edge shall be curved and have a canted seat to back angle.
- 1.3 The frame shall be constructed for durability and rigidity. Frame shall be covered in multiple densities of polyurethane foam and polyester foam and fibre bat to support resilient sag free upholstered surfaces.
- 1.4 The seat assembly shall be raised off the finished floor with die cast metal legs a minimum of 4" high on adjustable glides suitable for carpet tile flooring. The legs shall be available in a brushed or polished clear finish or powder coat painted finish.
- 1.5 All components and upholstery foams shall be free of hazardous materials such as PVC, CFC, and solvent based adhesives.
- 1.6 Textile shall be as follows: Composition: 100% polyurethane surface with 65% polyester and 35% reinforced Rayon backing. Weight: approximately 14 oz. per linear yard (432 grams per square linear meter) Thickness: 1.0 mm Finish: Soil and stain repellent Colour: Must be available in highly saturated accent colours. Colours to be selected after tender award.

### **2. Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"**

- 2.1 Overall dimensions: 32" deep x 72" wide.
- 2.2 Seat height: 17"
- 2.3 Functional Seat Depth: 22"
- 2.4 Seat pan angle:
- 2.5 Back Height: 30"

### **3. Certifications**

- 3.1 All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2 Product shall meet or exceed all applicable ANSI/BIFMA performance standards, including ANSI/BIFMA X5.4-2012 Lounge and Public Seating.
- 3.3 Product shall meet SCS Indoor Advantage Gold Certified or Green Guard Certified.
- 3.4 Product shall meet BIFMA Level 1 Certified.
- 3.5 Textiles shall be manufacturers standard and pass all applicable testing as specified by the Association for Contract Textiles( ACT) to meet the following minimum standards: Antimicrobial:

ASTM E 2180 Abrasion: ASTM D 4157 – 300,000 Double rubs (Wyzenbeek) BS 2543 – 160,000 Rubs (Martindale) Colourfastness to Light: AATCC-16, Class 4  
Croaking: AATCC-8, Dry/Class 4.5, Wet/Class 3  
Flammability: Class A fire rating and pass State of California Tech. Bulletin 117, Section E.C-117 Section E.

**3.6 Proof of Certifications must be submitted with bid proposal.**

**4. Warranty**

- 4.1 Product shall be warranted for users up to 300 lbs and apply to use 24/7 without limitations.
- 4.2 Product frame and components shall be warranted for 10 years. This includes glides and legs.
- 4.3 Textiles shall have a minimum 5-year warranty covering materials and workmanship.
- 4.4 Warranty shall cover parts and labour.
- 4.5 **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

**Item #6 W-1 Wardrobe**

**Description:** Free standing storage unit for use within individual workstation configurations.

**1. General**

- 1.1. Products should be based on the manufacturer's standard product.
- 1.2. The wardrobe tower shall have the configuration of doors and drawers shown below. The full height coat storage shall have one adjustable shelf and a pole or hooks. The storage cupboard shall have one adjustable shelf. Handing of the door arrangement will be confirmed by the Consultant post award.
- 1.3. The chassis case, shelving, door and drawer construction shall be cold rolled commercial quality steel in minimum gauges as follows: Top, sides and back and shelves: 20 gauge Base: 18 gauge Doors and Drawers: 22gauge
- 1.4. Wardrobe shall be treated with rust inhibitor and finished with electrostatically applied powder coat paint finish. Colour selection shall be by Consultant from manufacturer's standard offering post award.
- 1.5. Drawers shall be mounted on metal, full extension, ball bearing glides and weight tested to minimum 38 pounds.
- 1.6. Storage cupboard shall have one shelf that is supported on recessed metal standards and brackets and adjustable by minimum 1 ½" increments.
- 1.7. Doors and drawers shall have individual tumbler locks with removable cores and keyed alike.
- 1.8. Pulls shall be metal, available in a brushed clear finish and selected from manufacturers standard.
- 1.9. Four adjustable levelling guides accessed from the cabinet interior shall be included.
- 1.10. All components shall be free of hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, benzene and urea formaldehyde.

## **2. Dimensions:**

Overall Dimensions: 24" deep x 24" wide x 54" high maximum. Units will be installed with in the workstation panels.

Drawer face dimensions: approximately 14" wide x 12" high per manufacturers standard.

Storage door face dimensions: approximately 14" wide x 27" high per manufacturers standard.  
Wardrobe door face dimensions: approximately 10" wide x 51" high per manufacturers standard. Base height: approximately 2" per manufacturer's standard.

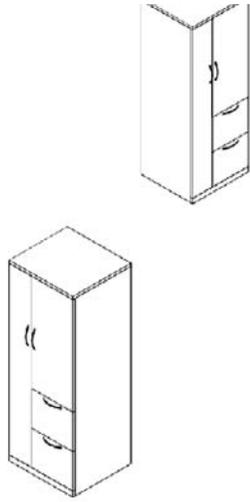
## **3. Certifications**

- 3.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2. Product shall meet or exceed ANSI/BIFMA X5.9 Storage
- 3.3. Product shall be SCS Indoor Advantage Gold Certified or Green Guard certified.
- 3.4. Product shall meet BIFMA Level 1 Certified.
- 3.5. **Proof of Certifications must be submitted with bid proposal.**

## **4. Warranty**

- 4.1. Warranty shall be for a minimum of 10 years and covers parts, hardware, shipping parts and labour.
- 4.2. **A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

## 5. **Wardrobe Units Configuration**



## **Item #7 T-10 Coffee Table**

**Description:** Coffee Table for SS-20 Double seat sofa groups.

### **1. General**

- 1.1. Products shall be the manufacturer's standard product as offered.
- 1.2. The top surface shall have a durable semi gloss finish and appear to be seamless with eased corners and edges. A reverse waterfall edge is preferred
- 1.3. Legs should be tubular metal in a brushed, polished or powder coat paint finish. The legs should have an outward sloped line from the table top to the floor, be fully recessed under the table top and be without visible cross braces. The legs shall have glides suitable for carpet tile flooring.
- 1.4. Tops shall be available in white.
- 1.5. The design should coordinate with the proposed for SS-20 Double Seat Sofa.
- 1.6. All components shall be free of hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, benzene and urea formaldehyde.

### **2. Dimensions: Dimensions are nominal. Actual dimensions can be +/- 1"**

- 2.1. Top dimensions: 36"d. x 36"w. (914 x 914 mm) Top height: 15" (381mm)

### **3. Certifications**

- 3.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2. Product shall meet or exceed ANSI/BIFMA X5.5 Desk and Table Tests.
- 3.3. Product shall be SCS Indoor Advantage Gold Certified or Green Guard certified.
- 3.4. Product shall meet BIFMA Level 1 Certified.

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- 3.5. Standard high-pressure laminates must meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate.
- 3.6. Particleboard shall meet requirements as defined by ANSI A208.1 and ASTM D 1037.
- 3.7. Proof of Certifications must be submitted with bid proposal.**

**4. Warranty**

- 4.1. Warranty shall be for a minimum of 10 years and covers parts, shipping parts and labour.
- 4.2. A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

**Item #8 & 9 AT20 Adjustable Height Table 24”d. x 48”w.  
AT30 Adjustable Height Table 24”d. x 54”w.**

**Description:** Free standing adjustable height table for use within individual workstation configurations. The table has pressure sensitive movement. Table noted below in Quantity shall be in two lengths Manual cranks and electrically powered lifts are not acceptable.

**1. General**

- 1.1. Products shall be the manufacturer's standard product as offered.
- 1.2. The work surface shall be medium density (45 lb/cu ft) commercial grade particle board core with high-pressure laminate on the top surface and a backer sheet on the bottom to prevent bowing or warping. The work surface thickness shall be a minimum of 1-3/16". The laminate and backer must be permanently attached and reinforced under pressure to the wood core using water-based polyvinyl acetate (PVA) adhesive.
- 1.3. The work surface shall have a continuous minimum 3 mm plastic edge band permanently attached to the wood core.
- 1.4. Structural supports for the work surface shall be recessed a minimum of 2" to allow clamp-mounted accessories or privacy screens.
- 1.5. Load bearing capacity shall be 130 lbs. including work surface weight. An adjustable feature shall allow the amount of lift assist to be set for various cargo loads.
- 1.6. Height range shall be approximately 26" to 47" high from top of work surface to floor, with infinite increments.
- 1.7. The work surface lift mechanism shall have a fingertip lift handle and operate in a smooth, effortless up/down action. The lift speed shall be designated by user's pressure. Sudden rises or falls of the work surface when weight is applied or removed is not acceptable.
- 1.8. The lift mechanism shall be adjustable to the user's preferences. Tools required for adjustments and an accessible storage location under the table top shall be included
- 1.9. The base shall be metal construction and designed to allow maximum foot and chair clearance without compromising stability. The base shall have four levelling glides with a minimum of 1" adjustability shall be included.
- 1.10. The lift mechanism shall be concealed in a way not to interfere with leg room in a seated position and the housing shall be constructed of metal for rigidity. All surfaces and joints shall be free from burs and rough edges
- 1.11. All metal components shall be available in a minimum of 4 powder coat paint colours.
- 1.12. Tables shall be freestanding.
- 1.13. All components shall be free of hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, benzene and urea formaldehyde.

**2. Dimensions: Dimensions are nominal. Actual width must be a minimum of 1" and a maximum of 2" narrower than nominal width and actual depth must be a minimum of .5" and a maximum of 1" narrower than nominal depth.**

- 2.1. Top T-AT20 24”d. x48”w. Refer to plan for locations.  
Top T-AT-30 24”d. x 54”w. Refer to plan for locations.

### **3. Certifications**

- 3.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 3.2. Product shall meet or exceed ANSI/BIFMA X5.5 Desk and Table Tests.
- 3.3. Product shall be SCS Indoor Advantage Gold Certified or Green Guard certified.
- 3.4. Product shall meet BIFMA Level 1 Certified.
- 3.5. Standard high-pressure laminates must meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate.
- 3.6. Particleboard shall meet requirements as defined by ANSI A208.1 and ASTM D 1037.
- 3.7. Proof of Certifications must be submitted with bid proposal.**

### **4. Warranty**

- 4.1. Manufacturer must offer a lifetime warranty that product shall be free from defects in materials and workmanship (includes shipping, parts, and labour for the repair or replacement of the defective item).
- 4.2. Height adjustable mechanism shall have a minimum 5 year warranty.
- 4.3. A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

<b>Item #10</b>	<b>DWS 1 Office 445 Demountable Wall System</b>
<b>Item #11</b>	<b>DWS 2 Lunchroom Demountable System</b>
<b>Item #12</b>	<b>DWS 3 Office 458 Demountable Wall System</b>

**Description:** Glass and solid panel modular demountable walls complete with sliding entry doors, frames and hardware and powered bases.

**Quantity:** NA - Refer to Tendered Furniture Plan and configuration drawings attached to this specification section.

### **1. General**

- 1.1. Products shall be based on the manufacturer's standard product.
- 1.2. The assembly shall include but not be limited to wall panels complete with ceiling and base trims, door frames complete with hardware, clear glass panels complete with vinyl privacy film, electrical outlets and switches where indicated on drawings, complete with in-feeds and harnesses for power and data access and operation.
- 1.3. All panel surfaces, glass frames, doorframes, base trim and ceiling track will be cold-formed steel or extruded aluminum.
- 1.4. All exposed steel shall be cold-formed, levelled steel, painted with an electrostatic powder coat paint process.
- 1.5. Vinyl Wall Covering shall be from Manufacturer's standard range.
- 1.6. Where noted in drawings, aluminum will be extruded aluminum with a clear anodized finish

- 1.7. Design must permit extension in two, three or four way conditions without removal of adjacent panels or floor track.
- 1.8. All solid panels should be capable of field cutting to accommodate end filler conditions or other modifications to overall partition length.
- 1.9. Glass wall panels of 60" width or less will be factory glazed and will be constructed with the same integral levelling ability as specified for solid panels. All glass shall comply with Federal Safety Standard for Architectural Glazing Materials (16 CFR, Part 1201). All unitized glass shall be factory installed.
- 1.10. Slide door track, hardware, door pull and lock shall be standard as provided by movable wall manufacturer.
- 1.11. The system shall provide a 2-1/2" vertical adjustment (+/-1-1/4") in overall height to accommodate floor and ceiling irregularities.
- 1.12. Wall panel units shall be joined together by means of a continuous vertical connector, which serves as a continuous light and sound seal, and eliminates the need for additional loose clips. This connector shall be field cut able to provide access to slots as required for furniture, leaving other slots concealed.
- 1.13. End fillers at partition to fixed walls and columns shall be similar in construction to solid wall panel units and fit into wall channel on the abutting wall. Wall channels or Mini-ends shall contain a continuous factory-installed light and sound seal and shall not use destructive fasteners when attaching to fixed walls or columns.
- 1.14. End fillers may utilize solid panels that are field cut to narrower unit width as indicated on drawings. Cut panels will be manufactured in the same manner as all other solid panels.
- 1.15. All solid panels shall be constructed to allow for vertical routing of conceal conduit and cable anywhere in the interior of the panel without compromising sound attenuation performance.
- 1.16. Panel construction shall allow for the field installation of modular electrics at standard available factory heights as well as field installation of termination at other panel heights.
- 1.17. Solid system panels shall have an integral method of direct mounting of panel-hung components on either or both sides of the panel, including side-by-side mounting. Continuous feature strip connectors will conceal slots. Panel verticals and connectors will allow for direct mounting of panel-hung furniture without the need for any additive, field installed components. Method will accommodate a range of component locations up to 83" above the finished floor. Panels can accommodate the direct interface of overhead storage, shelving, work surfaces, marker boards and slat wall without the use of any additional adapter/transition brackets.
- 1.18. The system shall allow for installation on hard surface, or carpeted flooring, without the use of destructive fasteners and shall include integral sound seals. Continuous base shall be formed steel. Base cover shall be independently removable from each side of panel to facilitate electrical changes.
- 1.19. The system shall be installed to the underside of suspended ceilings without the use of destructive fasteners. Ceiling track shall be one piece continuous formed steel with continuous factory-installed resilient light and sound seals and shall be recessed (overlapping) to the panel face.
- 1.20. Pre-wired power shall include: a) the wall system will include a ULC 183 4-circuit, 8-wire prefabricated/pre-wired power distribution system. b) The power base system shall be comprised of power blocks, receptacles, power harnesses and in- feeds c) Power bases shall be electrified by using either a base in-feed, or top in-feed or power harness. d) The power block shall provide for back to back insertion of receptacles of either the same or different circuits. e) Power shall be distributed from the in-feed point to other panels through combinations of blank panels using modular harnesses. f) Factory installed power components will allow for modular electrical terminations, such that the circuit assignment for any termination can be easily changed by exchanging modular receptacles. g) Modular power blocks and cut-outs should be factory installed to CAN/CSA-B65 1 latest edition. (18" AFF and/or at Desk height 34" AFF). Panel

construction will allow for the option of power/data field installation at these heights as well as field installation and termination at other panel heights, as shown on drawing.

## **2. Shop Drawings**

- 2.1. Submit detailed shop drawings, showing all elements of the system, including fabrication and installation details, fastenings, accessories, types of material and finishes.

## **3. Installation**

- 3.1. Installation shall be by manufacturers or a qualified dealer's trained personnel.
- 3.2. Supplier shall take field measurements prior to preparation of shop drawings and fabrication, where possible, to ensure proper fitting of the work.

## **4. Dimensions: Dimensions are approximate except overall dimensions.**

- 4.1. Floor to ceiling height as noted on drawings.
- 4.2. Panel units shall be manufactured in widths as indicated on drawings.

## **5. Certifications**

- 5.1. All required testing shall be performed to the most recent test standards applicable at the time of proposal. Testing shall be completed by accredited laboratory.
- 5.2. Solid painted wall units have a Class-A rating in accordance with ASTM E84-97a "Standard Method for Surface Characteristics of Building Materials".
- 5.3. All system is in compliance with ASTM E 72 "Standard Test Methods of Conducting Strength Tests of Panels for Building Construction".
- 5.4. Solid wall units are available with a 41 or 45 STC in accordance with ASTM E 90-90 "Method for Laboratory Measurements of Airborne Sound Transmission Loss of Building Partitions".
- 5.5. Solid wall units will support a maximum load of 750-pounds per side in compliance with ANSI/BIFMA5.6 – 1986.
- 5.6. Pre-wired modular power components shall be ULC 183 listed.
- 5.7. Manufacturer shall provide ICC-ES Evaluation Report to document compliance with 2003 International Building code and 1997 Uniform Building Code.
- 5.8. Provide laboratory certification confirming wall panel construction flame spread and smoke index of 10 or less, when tested in accordance with the provisions of ASTM Designation E-84-97a, (Standard Method of Test for Surface Burning Characteristics of Building Materials) except for methods of calculating flame spread rates. This test method is technically equivalent to that specified in NFPA No. 225, UBC No. 8-1, ANSI/UL 723 and ASTM E 84-97a.
- 5.9. Solid Wall panels shall have an STC of 41 or 45, as indicated on drawings, when tested in accordance with ASTM E90-90. Panel shall achieve specified STC without any additional field modification to the panel base, panel core, panel header or ceiling track. Cut panels will exhibit the same acoustical performance.
- 5.10. Hardware and locks if required shall meet CAN/CSA-B65 1 latest edition.
- 5.11. Product shall be SCS Indoor Advantage Gold Certified or Green Guard certified.
- 5.12. Product shall be BIFMA Level 2 Certified.
- 5.13. Proof of Certifications must be submitted with bid proposal.**

**6. Warranty**

6.1. Product shall be covered under limited lifetime warranty.

**6.2. A copy of the manufacturer's standard warranty shall be included with the submission showing compliance to the warranty requirements.**

7. See Drawings: Attached in Annex C: 062861 S1 PLAN – FURNITURE PARTITIONS 062861 S2 PLAN –LUNCH ROOM FURNITURE PARTITIONS 062861 S3 PLAN –OFFICE 445 FURNITURE PARTITIONS 062861 S4 PLAN –OFFICE 445 FURNITURE PARTITIONS 062861 S5 PLAN –OFFICE 445 FURNITURE PARTITIONS

And

Drawing attached to Amendment No. 001, Annex D: ASK-5 FLOOR PLAN OFFICE 458 FURNITURE PARTITIONS, ASK-6 OFFICE 458 FURNITURE PARTITION ELEVATION, ASK-7 OFFICE 458 FURNITURE PARTITION ELEVATION, ASK-8 OFFICE 458 FURNITURE PARTITION ELEVATION, TENDER FURNITURE PLAN – 4<sup>TH</sup> FLOOR

8. PLEASE NOTE: THE FURNITURE SHOWN IN OFFICE 458 ON DRAWINGS ASK-5 AND F4 IS NOT INCLUDED IN THIS CONTRACT.