SECTION 12 35 53

LABORATORY CASEWORK AND FURNISHINGS

PART 1 GENERAL

1.1 SUMMARY

A. Comply with Division 1 - General Requirements.

1.2 REFERENCES

A. ASTM A167-90 Specification for Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet and Strip.

B. ASTM A446/A466M-89 Specification for Steel Sheet, Zinc-Coated Galvanized) by the Hot-Dip Process, Structural Physical) Quality.

C. ASTM A526/A526M-85 Specification for Steel Sheet, Zinc-Coated Galvanized) by the Hot-Dip Process, Commercial Quality.

D. BHMA A156.9 Cabinet Hardware.

E. CAN/CGSB-12.1-M90 Tempered or Laminated Safety Glass.

F. CAN/CGSB-12.3-M76 Glass, Polished Plate or Float, Flat, Clear.

G. CAN3-A172-M79 High Pressure Paper Base, Decorative Laminates.

1.3 SUBMITTALS

A. Shop Drawings: Indicate casework locations, large scale plans, elevation, cross sections, rough-in and anchor placement dimensions and tolerances, clearances required, material, thickness and finish.

B. Product Data: Submit component dimensions, configurations, construction details, joint details, attachments, utility and service requirements and locations.

C. Samples:
   1. Submit two samples, minimum size 75 by 150 mm of each colour of base material finish.
   2. Submit two samples 200 by 200 mm size, illustrating glass type.

D. Manufacturer's installation instructions: Indicate special installation requirements.

1.4 QUALITY ASSURANCE

A. Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years documented experience.

B. Site Sample:
   1. Provide site sample of casework, provide full size base cabinet and base, and upper cabinet complete with drawers, door adjustable shelf and counter top.
   2. Site sample may remain as part of the work.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Accept casework on site. Inspect on arrival for damage.

1.6 SITE CONDITIONS

A. Verify that field measurements are as indicated on Shop Drawings.

1.7 SEQUENCING AND SCHEDULING

A. Schedule work to not deliver casework to site until destination space is ready.

PART 2 PRODUCTS

2.1 MANUFACTURERS/Suppliers

A. Furniture:
   1. Mott Manufacturing Ltd (Mottlab)
   2. CIF Lab Solutions LP

B. Lab Equipment:
   1. VWR
   2. Canada Wide Scientific

C. Lab Microscope:
   1. Leica.
   2. Nikon.
   3. Olympus.

D. DO Analyzer:
   1. Cancoppas Ltd.

2.2 MATERIALS

A. Laboratory furniture and fume canopy: Mottlab Sigma system (approved equal in accordance with B8), standard metal construction or approved equal in accordance with B8; colour: to later selection.

B. Safety glass: CAN/CGSB-12.1-M type 1 or 2, fully tempered clear flat, 6 mm thick minimum; exposed edges ground, cut or drilled to receive hardware.

C. Counter tops back splash and side splash: modified epoxy resin manufactured by Mottlab Inc. (approved equal in accordance with B8); Colour: Black.

D. Service fittings and fixtures:
   1. Cup sink(s): Stainless steel with waste fitting(s). Locate cup sink(s) where shown on Drawings with deck mount, vacuum breaker cold water fixture with goose neck spout and serrated nozzle end (Mottlab Part #W6600-9 approved equal in accordance with B8) discharging into cup sink; drain size 1-1/2 inches
   2. Escutcheons: Stainless steel.
   3. Fume Canopy: Provide 1219 mm (48”) wide stainless steel suspended wall canopy with fixed baffle
   4. Laboratory stainless steel sink (double compartment)
      a. Description:
         1) 18-gauge, ASTM A666, Type 316 stainless steel.
         2) Integral right- and left-hand fan pitched drain boards, sloped to drain, and seamlessly formed with sink and with continuous perimeter rim.
         3) Size: 1219 mm (48”) long by 762 mm (30”) wide overall dimensions with 457 mm (18”) long by 457 mm (18”) wide by 406 mm (16”) deep interior compartments dimensions.
         4) Undercoated compartments and drain boards for sound deadening.
         5) Compatible 3-1/2-inch, Type 316 stainless steel strainer bodies, cup strainers, and 1-1/2-inch tailpieces with removable strainers.
         6) Punch sink for fixtures as required.
         7) Raised deck mounted, rigid/swivel gooseneck hot and cold faucet with aerator (Mottlab Part Part #W6737-8 approved equal in accordance with B8)
   5. Emergency eyewash, Haws Corp. Axion MSR Model 7612 approved equal in accordance with B8 to suit installation.
   6. Universal emergency signs (eyewash, etc.)

E. Laboratory Equipment/Supplies:

#	Item	Supplier[1]	Cat. #
1	HACH DR 3900 spectrophotometer approved equal in accordance with B8; to include testing reagents for 100 individual tests for each of phosphorus (low and high range), total chlorine residual, nitrite (low range), nitrate (low range) and ammonia (high and low range).	HACH	LPV440.99.00012
1	Electronic balance, 210 g capacity, readable to 0.1 mg, Ohaus or approved equal in accordance with B8.	VWR	89171-448
1	Orion STAR A211 pH meter (or equiv.) with combination electrode	VWR	89260-360
1	Ohaus Toploading Balance (or equiv.); 4200 g capacity, readable to 0.1 g	VWR	10160-034

#	Item	Supplier[1]	Cat. #
1	Corning Combination Stirrer/Hot Plate (or equiv.)	VWR	89090-994
1	Hot Plate (or equiv.)	VWR	89090-206
1	Stirrer Unit	VWR	89090-986
1	Magnetic stir bar kit (pack)	VWR	58948-070
2	50 mL graduated Kimax-brand buret	VWR	89001-614
1	Buret clamp w support stand	VWR	89202-636
1	Muffle Furnace – Barnstead/Thermolyne Compact Benchtop Muffle Furnaces, Type FD1535M (or equiv.)[2]	VWR	015-421-06
1	Convection Oven – Thermolyne OV47425 Lab oven (or equiv.)	Cole-Parmer	RK-52000-41
1	Desiccating cabinet	VWR	470121-956
1	Desiccant: Drierite, 2 kg.	VWR	CAAA43056-P5
1	Four-Paddle Jar Tester with Glass Beakers	VWR	89496-312
6	Volumetric pipets 10 mL	VWR	89002-760
4	Volumetric pipets 25 mL	VWR	89002-764
4	Volumetric pipets 50 mL	VWR	89002-766
1	Graduated 10 mL pipets, cs of 12	VWR	89003-526
1	Graduated 25 mL pipets, cs of 12	VWR	89003-530
6	25 mL graduated cylinders	VWR	89001-672
6	100 mL graduated cylinders	VWR	89001-668
6	1000 mL graduated cylinders	VWR	89001-690
12	250 mL Pyrex beakers	VWR	13912-524
12	2000 mL Pyrex beakers	VWR	89090-526
12	250 mL Erlenmeyer Pyrex flasks	VWR	89000-794
4	Imhoff Cone (1000 mL; Nalgene)	VWR	66186-001
1	Imhoff Cone rack	VWR	66186-067
2	1 L filtering flasks	VWR	89001-816
2	Filter funnel (Pall), 47mm	VWR	CA28143-550
1	50 ft. Vacuum tubing, tygon, 6.4 mm	VWR	63013-404

#	Item	Supplier[1]	Cat. #
	ID x 15.8 mm OD		
2	Aspirator filter pump	VWR	VF-0510-00
1	case 75 x 25 microscope slides	VWR	CA48312-003
1	case cover slips	VWR	470112-504
5	Boxes of 100 47 mm diameter glass fibre filter paper (GE Healthcare 934-AH)	VWR	CA11008-600
1	Aluminum dishes, case of 1000	VWR	25433-010
6	Evaporating dishes	VWR	470020-006
2	Beaker tongs	VWR	82027-360
2	Crucible tongs (long)	VWR	82027-362
3	Filter forceps, bent	VWR	25729-118
4	500 mL wash bottles	VWR	414004-227
4	Flask brush	VWR	17145-063
1	10 L carboy	VWR	16101-404
1	Wall Mounted Draining Rack, Bürkle	VWR	10217-314
6	Sulphuric acid 0.02 N, acculute	VWR	CAJT4704-1
1	4 L each pH 4.01, 7.00 and 10.01 buffer solution	VWR	CA97021-450

1. Catalogue numbers based on listed supplier catalogue as typical of product and quality required.
2. Confirm electrical requirements based on supplied equipment and provide electrical supply/connection to suit.

F. Microscope:
1. Provide one (1) clinical/laboratory compound microscope with binocular head, with 10x, 20x, 40x and 100x phase contrast objective lenses, minimum five (5) megapixel digital imagery capabilities including controller and software where applicable, additional accessories as necessary for photomicroscopy.

G. DO Analyzer:
1. Aysix Model 3100 Portable Dissolved Oxygen Analyzer.

2.3 HARDWARE

A. Pulls: Option 65-Flush aluminum pulls.

B. Hinges: Option 21 – Standard chrome hinges.

2.4 FABRICATION - GENERAL

A. Fabricate casework, assembled and welded. Coordinate size of units with access limitations of the building.

B. Fabricate corners and joints without gaps or inaccessible spaces or areas where dirt or moisture could accumulate.

C. Fabricate components, of die formed sheet steel. Form each unit rigid, not dependent on adjacent units for rigidity.

D. Form edges and seams smooth. Form material from continuous sheets.

E. Fabricate countertop surfaces without visible joints.

F. Set glass in doors with gasket and removable stops to minimize rattles or vibration.

G. Cut and drill counter tops, backs and other components for service outlets and fixtures.

H. Install fixtures and fittings built into or part of casework. Provide access panels for maintenance of utility service and mechanical and electrical components.

2.5 FINISHES

A. Metal: Two coats of chemical resistant series 437 sicopoxy high solids thermosetting epoxy coating. Colour: To later selection.

B. Stainless steel: No. 4 finish.

C. Shop finish components.

D. Coat metal surfaces in contact with cementitious materials with bituminous paint.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify existing conditions.

B. Verify adequacy of support framing and anchors.

3.2 INSTALLATION

A. Coordinate casework installation with size, location and installation of service utilities. Reference Contract Mechanical Drawings for plumbing detail to coordinate with services and fittings provided under this specification.

B. Install casework, components and accessories in accordance with manufacturer's instructions.

C. Use anchoring devices to suit conditions and substrate materials encountered.

D. Set casework items plumb and square, securely anchored to building structure.

E. Insulate to prevent electrolysis between dissimilar metals.

F. Scribe to abutting surfaces and align adjoining components. Apply matching filler pieces where casework abuts dissimilar construction.

G. Field weld joints in stainless steel work, without open seams.

H. Close ends of units, splash aprons, shelves and bases with sealant.

I. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

3.3 ADJUSTING

A. Adjust work for smooth operation.

B. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly.

3.4 CLEANING

A. Clean work.

B. Clean casework, counters, shelves, glass, legs, hardware, fittings and fixtures.

3.5 PROTECTION OF FINISHED WORK

A. Protect finished Work.

B. Do not permit finished casework to be exposed to continued construction activity.

3.6 SUPPLEMENTS

A. The supplements listed below, following “End of Section,” are a part of this Specification.
   1. Drawings.

END OF SECTION

SECTION 12 50 00

FURNITURE AND ACCESSORIES

PART 1 GENERAL

1.1 SUBMITTALS

A. Action Submittals:
   1. List of items to be furnished, marked with Contract Document item numbers (e.g., CH-1).
   2. Samples: One Sample each, 50mm by 50mm minimum, for finishes specified as standard manufacturers' finishes and one 50mm by 125mm dye lot fabric sample each of fabrics listed.

B. Informational Submittals: Manufacturer's recommendations for care, cleaning, and maintenance of upholstery and wood finishes.

1.2 QUALITY ASSURANCE

A. Qualifications, Fabricators and Installers: Experienced and regularly engaged in fabrication and installation of furniture.

B. Furniture and accessories to be in new condition. Used, refurbished or re-manufactured products are not acceptable.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping: Prepare and protect products for shipment in accordance with manufacturer's recommendations and ship as follows:
   1. Each item in individual carton.

B. Delay delivery until construction operations are complete.

C. Carefully store and handle items of furniture until delivery to the Site can be made.

D. Preserve the furniture in its original factory condition.

1.4 WARRANTY

A. Furnish warranty for the following items and periods:
   1. Twelve year warranty for seating.
   2. Ten year warranty on wall products and electrical components.
   3. Five year warranty for fabrics.

PART 2 PRODUCTS

2.1 DISTRIBUTER

A. Furniture and accessories are based on selections in collaboration with the following distributors. The following list of manufacturers is for convenience of Contractors:

	Manufacturer	**Distributor Contact**
1.	Haworth Inc.	Brigholme Interiors Group. Markham, ON Contact: David Eaton (905) 513-3632
2.	Herman Miller Inc.	Workplace Resource, Herman Miller. Toronto, ON Contact: Peter Soda (416) 216-2185
4.	Steelcase Inc.	Mayhew Office Furniture. Thornhill, ON Contact: Lurene Reynolds (905) 707-4759

2.2 COMPATIBILITY OF FURNITURE

A. Systems Furniture, Private Office Furniture System, and Tables must be compatible or be furnished from the same Statement Of Line.

B. Compatibility must permit interchangeable connections. Storage and worksurface components must offer similar standard unit sizes for storage and panel components, the same worksurface and table top thickness and offer similar standard unit sizes.

2.3 WORKSTATION (WS-1):

A. Location: Control Room No. M123 (Existing Administration Building).

B. Quantity: 2 Units

C. System Description:
1. Worksurface: 30mm thick, 1575 long by 760 mm deep, “green” core with 100 percent recycled wood fiber or wood waste, NAUF, minimum 45 lbs density; with high-pressure laminate finish, and matching edge band; one wire-well per 915 mm length of worksurface. Provide worksurfaces in maximum practical lengths. Workstation supports must allow for under-counter mounting of keyboard trays.
2. Upper Overhead Storage Unit: Roll-formed painted steel construction with end-panels, top and top receding door front, with backstop and hardware. 400 mm deep by 400 mm high by 915 mm long unit.
3. Lateral Filing Cabinet: Roll-formed painted steel construction with end-panels, rear, and door fronts, with hardware. 610 mm deep by 915 mm long unit.
4. Mobile Pedestal File Cabinet: Roll-formed painted steel construction with end-panels, rear, and door fronts, casters, with hardware and fabric cushion top. 560 mm deep by 380 mm wide by 530 mm high unit consisting of box and file storage.

5. Open Shelves: Task Light: LED task light, including lamp and diffuser, mounted to underside of overhead storage bin with concealing trim, 2743 mm long cord, complete with wire-management trim to conceal wires.
6. Slat Tiles: Powder-coated metal, capable of receiving wall-mounted accessories.
7. Power and Data Connection Module: Flush-mounted to worksurface with recessed power and data receptacles. Each module
8. Locks: Supplied to all storage units, keyed alike within one workstation unit, chrome lock, master keyed.
9. Accessories: Equip each workstation with the following accessories capable of anchoring into the slat tiles:
   a. Paper Sorter: Consisting of three dividers, shelf and mounting bracket with 4 kg capacity.
   b. Letter Tray: Consisting of single tray.
10. Finishes:
    a. Laminate Worksurface: Solid, Grade A, colour to later selection.
    b. Fabric: Woven, Grade C, to later selection.
    c. Casegoods: Grade B, To later selection
    d. Powdercoat: Colour to later selection.
11. Manufacturer and Series: Comply with furniture capability requirements as specified under Section 12 50 00, Furniture and Accessories.

2.4 WORKSTATION (WS-2):

A. Location: Laboratory and Control Room No. S-146 (Secondary Clarifiers 4 and 5).

B. Quantity: 2 Units.

C. System Description:
1. Worksurface: 30mm thick, 1800 long by 670 mm deep, “green” core with 100 percent recycled wood fiber or wood waste, NAUF, minimum 45 lbs density; with high-pressure laminate finish, and matching edge band; one wire-well per 915 mm length of worksurface. Provide worksurfaces in maximum practical lengths. Workstation supports must allow for under-counter mounting of keyboard trays.
2. Mobile Pedestal File Cabinet: Roll-formed painted steel construction with end-panels, rear, and door fronts, casters, with hardware and fabric cushion top. 560 mm deep by 380 mm wide by 530 mm high unit consisting of box and file storage.
3. Power and Data Connection Module: Flush-mounted to worksurface with recessed power and data receptacles. Each module
4. Locks: Supplied to all storage units, keyed alike within one workstation unit, chrome lock, master keyed.
5. Accessories: Equip each workstation with the following accessories capable of anchoring into the slat tiles:
   a. Paper Sorter: Consisting of three dividers, shelf and mounting bracket with 4 kg capacity.
   b. Letter Tray: Consisting of single tray.
6. Finishes:
   a. Laminate Worksurface: Solid, Grade A, colour to later selection.
   b. Fabric: Woven, Grade C, to later selection.
   c. Casegoods: Grade B, To later selection

d. Powdercoat: Colour to later selection.

7. Manufacturer and Series: Comply with furniture capability requirements as specified under Clause, 2.2.

2.5 CHAIRS

A. Manufacturer and System: Chairs are based on Global Total Office selections. Alternate products are acceptable provided they meet the design requirements of the specifications.

B. Task Chair (CH-1):
1. Location:
   a. Control Room No. M123 (Existing Administration Building).
   b. Laboratory and Control Room No. S-146 (Secondary Clarifiers 4 and 5).
2. Quantity: 6 Units.
3. Features: Pneumatic seat height adjustment, tilt tension adjustment and lock, arm-rest height adjustment, with casters suitable for resilient floor tile finish.
4. Finish:
   a. Seat Upholstery: Grade B fabric, to later selection.
   b. Back Upholstery: Grade B fabric, to later selection.
   c. Trim Colour: Black.
5. Product:
   a. Supra X, 5336-4 by Global Total Office.

C. Meeting Table Chair (CH-2):
1. Location: Control Room No. M123 (Existing Administration Building)
2. Quantity: 6 Units.
3. Features: Metal frame, stackable, cushion seat, polypropylene back, arm-rests, casters.
   a. Seat Upholstery: Grade B fabric, to later selection.
   b. Trim Colour: Black.
4. Manufacturer and Series:
   a. Rest, 2604C by Global Total Office.

D. Guest Chair (CH-3):
1. Location: Control Room No. M123 (Existing Administration Building).
2. Quantity: 2 Units.
3. Features: Stackable, cushion seat, polypropylene back, arm-rests, carpet glides.
4. Finish:
   a. Seat Upholstery: Grade B fabric, to later selection.
   b. Trim Colour: Black.
   c. Legs: Chrome.
5. Manufacturer and Series:
   a. Rest, 2614C by Global Total Office.

E. Laboratory Stool / Chairs (CH-5):
1. Location: Resource Centre Room.
2. Quantity: Two.
3. Manufacturer: Harts.
4. Series: Counter Height Chair.
5. Product number: 9641-S1-SK8.

6. Features: steel frame, upholstered seat and back, seat slider, adjustable arms, foot rest, carpet castors.
7. Finish: Valet “Black Tie”.

2.6 TABLES

A. Meeting Table (TB-1):
1. Location: Control Room No. M123 (Existing Administration Building).
2. Quantity: 1.
3. Size: 2100 by 1200 by 725 mm high.
4. Features: Plastic laminate tabletop, square edge. Tabletop with cutout for power and data support, and fitted with cable and wire-management trim to underside of tabletop and to legs.
5. Power and Data Support: Flush, in-table mounted power and network connector units with hinged top. Each unit to include 3 simplex receptacles, 3 data openings and 3048mm cord. Silver anodized trim, with black-plastic interior. Two units per table.
6. Finish:
   a. Table Surface: To later selection.
   b. Table-Base Legs: Polished aluminum.
7. Manufacturer and Series:
   a. Haworth: Planes Tables.
   b. Herman Miller: Everywhere Tables.
   c. Steelcase: Coalese Tables.

2.7 STORAGE UNITS:

A. Manufacturer and System: Storage units are based on Office Specialty products. Alternate products are acceptable provided they meet the design requirements of the specifications.
1. 9900 Series, Office Specialties by Inscape Corp.
2. Or approved equal in accordance with B8.

B. Lateral Filing Cabinet, Five-Drawer (S-1):
1. Location: Control Room No. M123 (Existing Administration Building).
2. Quantity: 1 Unit.
3. Size: 915 by 457 mm.
4. Features: Lock plug and ring, counterweight, file bars, one top receding door with fixed shelf, four lower drawers with fixed door and pull-out shelves, 305 mm acoustical drawer fronts and liners.

C. Lateral Filing Cabinet, Three-Drawer (S-2):
1. Location: Control Room No. M123 (Existing Administration Building).
2. Quantity: 2 Units.
3. Size: 915 by 457 mm.
4. Features: Lock plug and ring, counterweight, file bars, three lower drawers with fixed door and pull-out shelves, 305 mm acoustical drawer fronts and liners.

D. Lateral Filing Cabinet, 2-Drawers (S-3):
   1. Location: Control Room No. M123 (Existing Administration Building).
   2. Quantity: 2 Units.
   3. Size: 915 by 457 mm.
   4. Features: Lock plug and ring, counterweight, file bars, two lower drawers with fixed door and pull-out shelves, 305 mm acoustical drawer fronts and liners.

E. Bookcase, 5 Shelves (S-4):
   1. Location: Control Room No. M123 (Existing Administration Building).
   2. Quantity: 3 Units.
   3. Size: 915 by 457 mm.
   4. Features: Painted steel construction with 5 adjustable steel shelves, and support pins. Overall height shall allow for 381 mm clear height between shelves.

2.8 CONTROL CONSOLE (CC-1):

A. System Description:
   1. Location: Control Room No. M123 (Existing Administration Building).
   2. Quantity: One units.
   3. Worksurface: 30 mm thick, 762 mm by 6400 mm to configuration as indicated on Drawings, “green” core with 100 percent recycled wood fiber or wood waste, NAUF, minimum 45 lbs density; with high-pressure laminate finish, and matching edge band; one wire-well per 915 mm length of worksurface. Provide worksurfaces in maximum practical lengths. Workstation supports must allow for under-counter mounting of keyboard trays.
   4. Vertical front and sides facing: 30mm thick, as indicated on Drawings, “green” core with 100 percent recycled wood fiber or wood waste, NAUF, minimum 45 lbs density; with high-pressure laminate finish, and matching edge band; one wire-well per 915 mm length of worksurface. Provide worksurfaces in maximum practical lengths. Workstation supports must allow for under-counter mounting of keyboard trays.
   5. Mobile Pedestal File Cabinet: Roll-formed painted steel construction with end-panels, rear, and door fronts, casters, with hardware and fabric cushion top. 560 mm deep by 380 mm wide by 530 mm high unit consisting of box and file storage.
   6. Power and Data Connection Module: Flush-mounted to worksurface with recessed power and data receptacles. Each module.
   7. Locks: Supplied to all storage units, keyed alike within one workstation unit, chrome lock, master keyed.
   8. Accessories: Equip each workstation with the following accessories capable of anchoring into the slat tiles:
      a. Paper Sorter: Consisting of three dividers, shelf and mounting bracket with 4 kg capacity.
      b. Letter Tray: Consisting of single tray.
   9. Finishes:
      a. Laminate Worksurface: Solid, Grade A, colour to later selection.
      b. Fabric: Woven, Grade C, to later selection.
      c. Casegoods: Grade B, to later selection.
      d. Powdercoat: Colour to later selection.
   10. Manufacturer and Series: Comply with furniture capability requirements.

2.9 HANGING DRAWING FILES AND HANGING CLAMPS (H-1):

A. Location: Control Room No. M123 (Existing Administration Building).

B. Quantity: 2 Units.

C. Size: 685 by 1105 by 1562 mm stand and 1067mm (42”).

D. Features: Steel frame, height adjustable mobile stand on 75mm ball-bearing swivel casters with locks. Capable of holding 12 hanging clamps.

E. Accessories: Hanging clamps capable of accommodating 1067mm (42”) paper size.
   1. Quantity: 24 clamps.

F. Manufacturer and Series: Vertical File System Mobile Stand, manufactured by Safco.

PART 3 EXECUTION

3.1 PREPARATION

A. Examination: Ensure that construction work is complete, areas are clean, and relative humidity is below 60 percent.

B. Measure areas to be sure items will fit as shown. Notify Contract Administrator if they do not.

C. Unpack each item and inspect for damage.

3.2 INSTALLATION

A. Place furniture and accessories where directed by the City or Contract Administrator.

B. Flexibility in location related only to location of furnishings over or abutting telephone and electrical floor outlets.

C. Do not allow furniture items to rock when set in place.

D. Allow no telephone or electrical outlets in aisle ways due to misplacement of furnishings. Inform Contract Administrator of situation where such placement results in aisle ways or path clearances less than 800mm wide.

E. Remove protective masking and clean surfaces, leaving them free of soil and imperfections and ready for use.

3.3 INSPECTION

A. Inform Contract Administrator at least 24 hours before furniture is ready to inspect.

B. Protect installed furniture until inspection and Substantial Completion.

END OF SECTION