Part 1 General

1.1 REFERENCES

.1 City of Winnipeg 2010 Accessibility Design Standards.

.1 American Society for Testing and Materials (ASTM)

.1 ASTM A653/A653M-[01a], Standard Specification for Steel Sheet, Zinc-Coated, (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

.2 ASTM B32-[00], Standard Specification for Solder Metal.

.3 ASTM B456-[95], Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.

.2 Aluminum Association, Inc. (AA)

.1 Designation System for Aluminum Finishes

.3 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-1.81-[M90], Air Drying and Baking Alkyd Primer for Vehicles and Equipment.

.2 CAN/CGSB-1.88-[92], Gloss Alkyd Enamel, Air Drying and Baking.

.3 CGSB 31-GP-107Ma-[90], Non-Inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.

.4 CGSB 41-GP-6M-[1983], Sheets, Thermosetting Polyester Plastics, Glass Fibre Reinforced.

.4 Canadian Standards Association (CSA)

.1 CAN/CSA-G164-[M92(R1998)], Hot Dip Galvanizing of Irregularly Shaped Articles.

.2 CSAW47.2-[M1987(R1998)], Certification of Companies for Fusion Welding of Aluminum.

.3 CSA W59-[M1989(R2001)], Welded Steel Construction (Metal Arc Welding) (Imperial Version).

.4 CSA W59.2-[M1991(R1998)], Welded Aluminum Construction.

.5 Canadian Sheet Steel Building Institute (CSSBI)

.1 Sheet Steel Facts # 6, Metallic Coated Sheet Steel for Structural Building Products.

.6 The Master Painters Institute (MPI)

.1 Architectural Painting Specification Manual

.7 Canada Green Building Council (CaGBC)

.1 LEED Canada Reference Guide for Green Building Design and Construction 2009

1.2 SHOP DRAWINGS

.1 Submit representative sample of each type of sign, sign image and mounting method, including, but not limited to graphic, cast letters, sign box installation method, channel letters and wall plates fixed mounting installation method.

.2 Indicate materials, thicknesses, sizes, finishes, colours, construction details, removable and interchangeable components, mounting methods, schedule of signs.

.3 Submit drawn-to-scale details for individually fabricated or incised lettering indicating word and letter spacing.

.4 Submit representative sample of each type sign, sign image and mounting method.

.5 Submit manufacturer's printed product literature panel signage or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.

.6 Submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.

1.3 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 00 – Cleaning & Waste Management.

.2 Place materials defined as hazardous or toxic waste in designated containers.

.3 Ensure emptied containers are sealed and stored safely for disposal away for public.

.4 Use chemical hardeners that are non-toxic, biodegradable and have zero or low VOC's.

.5 Dispose of surplus chemical and finishing materials in accordance with Federal, Provincial and Municipal regulations.

Part 2 Products

2.1 MATERIALS

.1 Tactile signs shall include the following:

.1 Letters and numbers on signs shall

.1 Be sans serif fonts;

.2 Have Arabic numbers;

.3 Have a width-to-height ratio between 3:5 and 1:1

.4 Have a stroke-width-to-height ratio between 1:5 and 1:10.

.5 Character height dimensions for viewing distance shall comply with Table 1.2.4.1 on page 48 of the City of Winnipeg 2010 Accessibility Design Standards.

.6 Characters, symbols and backgrounds of signs shall have an eggshell, matte or other glare-free finish.

.7 Characters and symbols shall colour contrast with their background.

.8 Where signs are required to be tactile, letters and numerals shall:

.1 Be raised at least 0.8 mm (1/32"), not sharply edged;

.2 Be between 16 mm (5/8"and 50 mm (2") high

.3 Be a sans serif front, accompanied by Grade 1 uncontracted Braille.

.4 Pictograms shall be accompanied by an equivalent visual and tactile verbal description, placed directly below the pictogram. The border dimension of the pictogram shall be 150 mm (6") minimum in height.

.2 Wall, door and number plates:

.1 Metal wall plates:

.1 Fabricate sign plates from brushed aluminum engraving stock, sizes as indicated.

.2 Sign graphics: apply by engraving.

.2 Interchangeable mounting: supply wall plates with approved type, semi-concealed, retaining holders that permit quick but vandal-resistant interchange of sign face. No exposed fasteners permitted. Exposed portions to match sign face.

.3 Fixed mounting: prepare wall plates for fixing by surface fasteners with rosette covers. Include back-up plates for fixing to uneven surfaces where required.

.4 Bracket mounting: fabricate brackets for wall projecting or ceiling suspended sign plates as detailed: of clear acrylic 4.8 mm thick.

.3 Fully glazed sidelights and screens shall include the following:

.1 Minimum 50 mm (2") high row of decals or continuous stripe of highly contrasting colour, mounted with its centreline between 1472 mm (58") and 1525 mm (60") from the floor or ground.

Part 3 Execution

3.1 ERECTION

.1 Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door, located with their centre line at a height between 1475 mm (58") and 1525 mm (60"). Confirm mounting locations with Contract Administrator prior to installation.

.2 Where there is no wall space to the latch side of the door, including at double-leaf doors, signs shall be placed on the nearest adjacent wall, in a location that is easy to reach and touch.

.3 The minimum level of illumination on signs shall be 200 lux.

3.2 CLEANING

.1 Perform cleaning after installation to remove construction and accumulated environmental dirt.

.2 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.3 SCHEDULE:

.1 Room 1 Staff Area:

.1 Door D2:

.1 4" high sign c/w braille reading "STORAGE SHED" at pull side of door

.2 Door D4:

.1 12” high signs c/w braille, male, female and wheelchair pictograms reading “Accessible Men’s/Women’s Washroom” at pull side of door.

.2 Room 2 Shed:

.1 Door D2:

.1 4” high sign c/w braille reading “STAFF AREA” at pull side of door.

.2 Door D3:

.1 4” high sign c/w braille reading “MECHANICAL” at pull side of door.

END OF SECTION

Part 1 General

1.1 REFERENCES

.1 American Society for Testing and Materials (ASTM)

.1 ASTM A167-99, Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

.2 ASTM A653/A653M-99, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

.3 ASTM F 2285 - Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use.

.4 ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.

.2 American National Standards Institute (ANSI)

.5 ANSI A117.1 - Accessible and Usable Building and Facilities.

.6 ANSI Z535.4 - Product Safety Signs and Labels.

.3 Canadian General Standards Board (CGSB)

.7 CAN/CGSB-12.5, Mirrors, Silvered.

.4 City of Winnipeg

.8 2010 City of Winnipeg Accessibility Design Standards (WADS)

.5 Canada Green Building Council (CaGBC)

.1 LEED Canada Reference Guide for Green Building Design and Construction 2009

1.2 PERFORMANCE REQUIREMENTS

.1 Electric hand dryers:

.1 Operating protocol: Hand drying shall be accomplished by means of warm air, which simultaneously loosens and breaks up water droplets on the surface of the hands, and evaporates the liquid water.

.1 Air volume in cubic feet per minute (CFM): 150

.2 Heat:

.1 Minimum air temperature at air outlet: 136 degrees F [58 degrees C] when room temperature is 68 degrees F [20 degrees C].

.2 Minimum air temperature at average hand position of 4”[100 mm] below air outlet: 136 degrees F [56 degrees C] when room temperature is 68 degrees F [20 degrees C].

.2 Drying time required to remove 5 grams of water: approximately 30 seconds

.3 Moisture remaining on hands at end of drying cycle: maximum 0.2 grams.

1.3 SHOP DRAWINGS

.1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.

.2 Indicate size and description of components, base material, surface finish inside and out, hardware and locks, attachment devices, description of rough-in-frame, building-in details of anchors for grab bars.

1.4 QUALITY ASSURANCE

.1 Electric hand dryers:

.1 Manufacturer: Company specializing in manufacturing, distribution and servicing of electric hand dryers.

.2 Hand dryers shall be certified by Canadian Standards Association (CSA) to both US and Canadian standards and shall bear the CSA c/us mark.

.3 Hand dryers shall be provided and installed in compliance with WADS.

1.5 CLOSEOUT SUBMITTALS

.1 Provide maintenance data for toilet and bath accessories for incorporation into manual.

1.6 DELIVERY, STORAGE, AND HANDLING

.1 Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations. Protect from damage.

1.7 EXTRA MATERIALS

.1 Provide special tools required for accessing, assembly/disassembly or removal for toilet and bath accessories in accordance with requirements specified in Section 01 33 00 – Submittal Procedures.

.2 Deliver special tools to The City.

1.2 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 00 – Cleaning & Waste Management.

.2 Place materials defined as hazardous or toxic waste in designated containers.

.3 Ensure emptied containers are sealed and stored safely for disposal away for public.

.4 Use chemical hardeners that are non-toxic, biodegradable and have zero or low VOC's.

.5 Dispose of surplus chemical and finishing materials in accordance with Federal, Provincial and Municipal regulations.

1.8 WARRANTY

.1 Manufacturer's Warranty for Washroom Accessories:

.1 Manufacturer's standard 1 year warranty for materials and Workmanship.

.2 Manufacturer's Warranty for Electric Hand Dryers:

.1 Manufacturer's standard 10 year warranty for hand dryer to be free of manufacturing defects.

Part 2 Products

2.1 MATERIALS

.1 Sheet steel: commercial quality to ASTM A653/A653M with ZF001 designation zinc coating.

.2 Stainless steel sheet metal: to ASTM A167, Type 304 with BA finish.

.3 Stainless steel tubing: Type 304, commercial grade, seamless welded, 1.2 mm wall thickness.

.4 Fasteners: concealed screws and bolts hot dip galvanized, exposed fasteners to match face of unit. Expansion shields fibre, lead or rubber as recommended by accessory manufacturer for component and its intended use.

2.2 COMPONENTS

.1 Surface-mounted toilet tissue dispenser:

.1 Supplied by the City, installed by Contractor.

.2 Surface-mounted paper towel dispensers:

.1 Supplied by the City, installed by Contractor.

.3 Surface-mounted soap dispenser:

.1 Supplied by the City, installed by Contractor.

.4 Surface-Mounted Sanitary Napkin Disposal:

.1 Bobrick ConturaSeries® Model B-270 (or approved equal in accordance with B7):

.1 Container: 18-8 S, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish.

.2 Integral finger depression for opening cover.

.3 Front of container has same degree of arc as front of cover and other Bobrick ConturaSeries washroom accessories.

.4 Radius on side edges of container match corners and edges of cover and other ConturaSeries accessories.

.5 Cover: 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn, one-piece, seamless construction.

.6 Front of cover has same degree of arc as front of container and other Bobrick Contura Series washroom accessories.

.7 Radius on corners and edges of cover match side edges of container and other Contura Series accessories.

.8 Secured to container with a full-length stainless steel piano-hinge.

.9 Quantity: 1

.5 Mirrors:

.1 Room 4 - UTR:

.1 Bobrick Series B-165 – 2448 (or approved equal in accordance with B7):

.1 Type-430 stainless steel, 1/2" x 1/2" x 3/8" (13 x 13 x 9.5mm) channel with 1/4" (6mm) return at rear with bright polished finish.

.2 One piece frame with 90 degree mitered corners.

.3 Galvanized steel back has integral horizontal hanging brackets near the top for hanging the mirror and near the bottom to prevent the bottom of the mirror from pulling away from the wall.

.4 Locking devices secure mirror to concealed wall hanger.

.5 Quantity: 1

.6 Surface-mounted stainless steel shelf:

.1 Room 4 - UTR:

.1 Bobrick B-295 Series, 5” deep x 16” wide (or approved equal in accordance with B7):

.1 Surface-mounted shelf shall be constructed of type-304 stainless steel with satin-finish.

.2 Mounting brackets shall be 16-gauge (1.6mm) and shall be welded to shelf.

.3 Shelf shall be 18-gauge (1.2mm) and have 3/4" (19mm) return edges. Front edge shall be hemmed.

.4 Quantity: 1

.7 Stainless steel grab bars, 1-1/2" (38mm) diameter, with snap flange cover:

.1 Included for future reference only.

.8 Floor standing large capacity waste receptacle:

.1 Bobrick Series B-2400 (or approved equal in accordance with B7):

.1 Floor-standing waste receptacle shall be type-304, 16-gauge (1.6mm) stainless steel with satin finish.

.2 One-piece funnel top shall have 8-1/4" (210mm) diameter opening.

.3 Bottom of receptacle shall be recessed 1/2" (13mm) and equipped with four heavy duty rubber feet that elevate receptacle slightly off floor.

.4 Removable, rigid plastic liner shall have a wire handle and a minimum capacity of 33-gal. (125-L).

.5 Quantity: 1

.9 Surface-mounted hat and coat hook:

.1 Bobrick Model B-6827, satin (or approved equal in accordance with B7):

.1 Surface-mounted hat and coat hook shall be constructed of type-304 stainless steel with (select one: bright polish or satin) finish and shall project 3-1/16" (80mm) from wall.

.2 Flange and support arm shall be 22-gauge (0.8mm) and equipped with a concealed, 16-gauge (1.6mm) mounting bracket that is secured to a concealed, 16-gauge (1.6mm) wall plate with a stainless steel set screw.

.3 Hook shall be 12-gauge (2.8mm) and shall be welded to support arm.

.4 Quantity: 1

.10 Electric Hand Dryers:

.1 Dimplex, ONE Warm air, electric hand dryer; as manufactured by Dimplex North America (or approved equal in accordance with B7):

.1 Model: D20001WH

.1 Colour: White

.2 Nominal size: 263 mm W x 349 mm H x 100 mm D (10.375” W x 13.75” H x 4” D)

.3 Wattage: 1450W at 6.3A (230 VAC)

.4 Volts Hz: 115-230 (50-60 Hz)

.5 Weight: 20 pounds (9 kg.)

.6 Air Volume: 150 CFM

.7 Noise: 55 dB

.8 Discharged Air Temperature: 136ºF / 58ºC at ambient temperature of 68ºF / 20ºC

.9 Sensor: Solid state infra-red, self-calibrating

.10 Controls & wiring: Automatic resetting thermostat with cutout when airflow is restricted. Infrared sensor cutout two seconds after hand removal, and 60 seconds after initiating drying.

.11 Quantity: 1

.11 Mop and broom holder:

.1 Bobrick Model B-223, 36" (915mm) with 4 holders (or approved equal in accordance with B7):

.1 Mop and broom holder shall be constructed of type-304 stainless steel with satin finish.

.2 Shelf shall be 8" (203mm) deep and have 1-1/2" (38mm) return for maximum rigidity.

.3 Unit shall be equipped with replaceable, spring-loaded rubber cams that will securely hold handles from 7/8" to 1-1/4" (22 to 32mm) in diameter.

.4 Quantity: 2 – one in ‘Electrical Room’ and one in ‘Shed’.

.12 Accessories:

.1 Fasteners: concealed screws and bolts hot dip galvanized, exposed fasteners to match face of unit. Expansion shields fibre, lead or rubber as recommended by accessory manufacturer for component and its intended use.

2.3 SUBSTITUTIONS

.1 Refer to Section B7 – Substitutes in the Bid Opportunity document.

2.4 FABRICATION

.1 Weld and grind joints of fabricated components flush and smooth. Use mechanical fasteners only where approved.

.2 Wherever possible form exposed surfaces from one sheet of stock, free of joints.

.3 Brake form sheet metal Work with 1.5 mm radius bends.

.4 Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.

.5 Back paint components where contact is made with building finishes to prevent electrolysis.

.6 Hot dip galvanize concealed ferrous metal anchors and fastening devices to CSA G164.

.7 Shop assemble components and package complete with anchors and fittings.

.8 Deliver inserts and rough-in frames to job Site at appropriate time for building-in. Provide templates, details and instructions for building in anchors and inserts.

.9 Provide steel anchor plates and components for installation on studding and building framing.

2.5 FINISHES

.1 Chrome and nickel plating: to ASTM B456, satin or polished finish.

.2 Manufacturers brand names on face of units not acceptable.

Part 3 Execution

3.1 INSTALLATION – WASHROOM ACCESSORIES

.1 Install in accordance with manufacturer's written instructions.

.2 Install products in strict compliance with manufacturer's written instructions and recommendations, including the following:

.1 Verify blocking has been installed properly.
.2 Verify location does not interfere with door swings or use of fixtures.
.3 Comply with manufacturer's recommendations for backing and proper support.
.4 Use fasteners and anchors suitable for substrate and project conditions
.5 Install units rigid, straight, plumb, and level, in accordance with manufacturer's installation instructions and approved shop drawings.
.6 Conceal evidence of drilling, cutting, and fitting to room finish.
.7 Test for proper operation.

.3 Install and secure accessories rigidly in place as follows:

.1 Stud walls: install steel back-plate to stud prior to plaster or drywall finish. Provide plate with threaded studs or plugs.
.2 Hollow masonry units or existing plaster/drywall: use toggle bolts drilled into cell/wall cavity.
.3 Solid masonry or concrete: use bolt with lead expansion sleeve set into drilled hole.
.4 Toilet/shower compartments: use male/female through bolts.

.4 Install grab bars on built-in anchors provided by bar manufacturer.

.5 Use tamper proof screws/bolts for fasteners.

.6 Install mirrors in accordance with Section 08 80 00 - Glazing.

3.2 INSTALLATION – HAND DRYERS

.1 Coordinate requirements for blocking to ensure adequate means for support and installation of hand dryers.

.2 Coordinate requirements for power supply, conduit, disconnect switches, and wiring.

.3 Comply with manufacturer's installation instructions and approved shop drawings.

.4 Mount dryers at heights indicated on Drawings.

.5 Install dryers securely to supporting substrate so that fixtures are level and aligned with each other. Use type and length of fastener as recommended by manufacturer for type of substrate.

.6 Install electrical wiring in accordance with manufacturer’s instructions.

3.3 TESTING AND CLEANING

.1 Proof test grab bars to manufacturers specifications.

.1 Provide certificate of test results.

.2 Perform cleaning after installation to remove construction and accumulated environmental dirt.

.3 Clean surfaces after installation using manufacturer's recommended cleaning procedures.

.4 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

.5 Hand dryers:

.1 Inspect installation to verify secure and proper mounting. Test each dryer to verify operation, control functions, and performance. Correct deficiencies.

.2 Clean surfaces and wash with mild soap.

.3 Protect dryers from damage from subsequent construction operations. If damage occurs remove and replace damaged units.

3.4 SCHEDULE

.1 Locate accessories where indicated.

3.5 COMMISSIONING

.1 Instruct the City on cleaning and maintenance.

END OF SECTION

Part 1 General

1.1 REFERENCES

.1 American National Standards Institute (ANSI)

.1 ANSI/NFPA 10-[1998], Portable Fire Extinguishers.

.2 Underwriters' Laboratories of Canada (ULC)

.1 CAN/ULC-S508-[M90(R1995)], Rating and Fire Testing of Fire Extinguishers and Class "D" Extinguishing Media.

.3 Canada Green Building Council (CaGBC)

.1 LEED Canada Reference Guide for Green Building Design and Construction 2009

1.2 SHOP DRAWINGS AND PRODUCT DATA

.1 Submit shop drawings and product data in accordance with Section 01 33 00 - Submittal Procedures.

1.3 CLOSEOUT SUBMITTALS

.1 Provide maintenance data for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.4 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 00 – Cleaning & Waste Management.

.2 Place materials defined as hazardous or toxic waste in designated containers.

.3 Ensure emptied containers are sealed and stored safely for disposal away for public.

.4 Use chemical hardeners that are non-toxic, biodegradable and have zero or low VOC’s.

.5 Dispose of surplus chemical and finishing materials in accordance with Federal, Provincial and Municipal regulations.

Part 2 Products

2.1 MULTI-PURPOSE DRY CHEMICAL EXTINGUISHERS:

.1 Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for A, B and C class protection. Locate as indicated on drawings.

.1 Size: 4.5 kg.

.2 Quantity: 2 – one in Staff Area, one in Shed. Both adjacent to door D2

2.2 EXTINGUISHER BRACKETS

.1 Type recommended by extinguisher manufacturer.

2.3 IDENTIFICATION

.1 Identify extinguishers in accordance with recommendations of [ANSI/NFPA 10] [CAN/ULC-S508].

.2 Attach bilingual tag or label to extinguishers, indicating month and year of installation. Provide space for service dates.

Part 3 Execution

3.1 INSTALLATION

.1 Install or mount extinguishers in cabinets or on brackets as indicated.

END OF SECTION

Part 1 General

1.1 REFERENCES

.1 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-44.40, Steel Clothing Locker.

1.2 SUBMITTALS

.1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.

.2 Product Data:

.1 Provide manufacturer's printed product literature and data sheets for metal lockers and include product characteristics, performance criteria, physical size, finish and limitations.

.3 Shop Drawings:

.1 Indicate on drawings: type and class of locker, thicknesses of metal, fabricating and assembly methods, assembled banks of lockers, tops, hooks, shelves, bases, trim, end/back panels, doors, handles, locking method, ventilation method.

1.3 WASTE MANAGEMENT AND DISPOSAL

.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 00 – Cleaning and Waste Management.

.2 Remove from site and dispose of packaging materials at appropriate recycling facilities.

.3 Fold up metal banding, flatten and place in designated area for recycling.

1.4 MAINTENANCE DATA

.1 Provide maintenance data in accordance with Section 01 78 00 – Closeout Submittals.

Part 2 Products

2.1 MANUFACTURED UNITS

.1 Lockers: to CAN/CGSB-44.40, Type 1-Single full-height locker freestanding.

.1 Assembly: welded construction.
.2 Top: flat.
.3 Doors: single-wall construction, steel thickness No .20 MSG.

2.2 ACCESSORIES

.1 Locking system: padlocks supplied by The City.

.2 Options: to CAN/CGSB-44.40, coat hooks, metal.

2.3 ACCEPTABLE PRODUCTS

.1 Lockers

.1 Manufacturer: ASI Storage Solutions
.2 Product: Tradionial Collection, Single Tier
.3 Size:15” W x 15” D x 60” H (not including 6” base/legs)
.4 Accessories: Metal closure around legs to create closed base to floor and wall.
.5 Colour: Charcoal #23.
.6 Quantity: As noted.

2.4 SUBSTITUTIONS:

.1 In accordance with B7.

Part 3 Execution

3.1 EXAMINATION

.1 Verification of Conditions: verify conditions of substrates and surfaces to receive metal lockers are acceptable for product installation in accordance with manufacturer's instructions prior to metal locker installation.

.2 Inform Contract Administrator of unacceptable conditions immediately upon discovery.

.3 Proceed with installation only after unacceptable conditions have been remedied.

3.2 INSTALLATION

.1 Assemble and install lockers in accordance with manufacturer's written instructions.

.2 Securely fasten lockers to grounds and nailing strips.

.3 Install filler panels (false fronts) where indicated and where obstructions occur.

.4 Install finished end panels to exposed ends of locker banks.

.5 Install locker numbers.

3.3 ADJUSTING

.1 Adjust metal lockers for correct function and operation in accordance with manufacturer's written instructions.

.2 Lubricate moving parts to operate smoothly and fit accurately.

3.4 CLEANING

.1 Progress Cleaning: clean in accordance with Section 01 74 00 – Cleaning and Waste Management.

.1 Leave Work area clean at end of each day.

.2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 – Cleaning and Waste Management.

3.5 PROTECTION

.1 Protect installed products and components from damage during construction.

.2 Repair damage to adjacent materials caused by metal locker installation.

END OF SECTION