

1 General

1.1 **SUMMARY**

.1 Section Includes

- .1 Labour, Products, equipment and services necessary to complete the Work of this section, including but is not limited to the following:
  - .1 Glazing for interior and exterior applications including glazed partition, and glass door vision panel.
- .2 This section shall be read in conjunction with Appendix A City of Toronto Corporate Building System Design Requirements. Appendix A shall take precedence where there is a conflict in this Section.

1.2 **REFERENCES**

.1 Conform to the latest edition of the following:

- .1 ASTM C1503, Standard Specification for Silvered Flat Glass Mirror
- .2 CAN/CGSB-12.1-M, Tempered or Laminated Safety Glass
- .3 CAN/CGSB-12.3-M, Flat, Clear Float Glass
- .4 CAN/CGSB-12.8-M, Insulating Glass Units
- .5 CAN/CGSB-19.2-M, Glazing Compound, Non-Hardening, Modified Oil Type

1.3 **SUBMITTALS**

.1 Shop Drawings:

- .1 Submit Shop Drawings in accordance with Section 01 33 00 Submittals, for fabrication and erection of glazing elements indicating materials, thicknesses, finishes, connections, joints, method of anchorage, number of anchors, supports, reinforcement, details and accessories.

.2 Samples:

- .1 Submit one 300 x 300 mm sample of each type of glass in accordance with Section 01 33 00. Samples shall show tints, surface treatments, thickness and details of edge finishing.

.3 Certificates: Submit manufacturer's certification that glass and glazing materials are compatible.

- .1 Submit compatibility and adhesion test reports from sealant manufacturer indicating that glazing materials were tested for compatibility and adhesion with glazing sealants. Include sealant manufacturer's interpretation of test results relative to sealant performance and recommendations for primers and substrate preparation needed for adhesion.
- .2 Compatibility test report from manufacturer of insulating glass edge sealant, indicating that glass edge sealants were tested for compatibility with other glazing materials including sealants, setting blocks, edge blocks and any other material that contacts or can affect the edge seal.

1.4 **DELIVERY, HANDLING AND STORAGE**

- .1 Deliver materials to the site in original crates and containers with the maker's name and brand distinctly marked thereon and with glass labeled as to types. Do not remove labels on glass until after Work is accepted by the Consultant.
- .2 Store materials within the building, in a clean, dry location. Fully protect materials from damage until ready for use.

2 Products

2.1 **MATERIALS**

- .1 Tempered Glass (GL-1 & GL-2): conforming to CAN/CGSB-12.1-M, Type 2, Class B, clear float glass. Free from roller and tong marks.
  - .1 Refer to Section 09 06 00 Product and Finishes Schedule for type, thickness, colour and location.
  - ~~.2 Basis of Design: Agardy Glass or accepted equivalent.~~

2.2 **ACCESSORIES**

- .1 Glazing compound (fire doors): Putty.
- .2 Spacer shims and setting blocks: Neoprene, Shore "A" Durometer hardness 70-90, 100 mm long, wide enough to extend from fixed stop to opposite face of glass and of height suitable to provide adequate glazing "bite" for setting blocks. Neoprene, Shore "A" 40 to 50 Durometer hardness, of adequate thickness to provide correct glass to face clearance of at least 3 mm for spacer shims. For glass in fire rated doors (screens) use ULC approved fire resistant setting blocks and spacer shims.
- .3 Glazing channel (for interior glazing): Black extruded neoprene or PVC channel gaskets, of size to suit glazing.
- .4 Glazing compound: One-part clear silicone. GE Canada "Silpruf SCS 2000", Dow Corning "795" or Tremco "Spectrum 2".
- .5 Window Films/Vision Barriers: Refer to Section 08 87 00 Glazing Surface Films.

3 Execution

3.1 **INSPECTION OF JOB CONDITIONS**

- .1 Inspect openings and frames prepared by other trades into which glass is to be installed. Notify the Consultant in writing, of any conditions which will preclude proper installation. Do not glaze unsatisfactory locations until such conditions have been made good. Commencement of Work implies acceptance of existing conditions.
- .2 Obtain glass dimensions on the job site. Glass shall be 4 mm less than the rebate size in either dimension, with allowance for edge spacers, shims and setting blocks.
- .3 Free rabbets, stops and glass edges of dirt, moisture, oil and other foreign matter detrimental to or obstructing glazing material.

3.2 **GLASS INSTALLATION**

- .1 Check that all openings and stops to be painted are primed before commencing Work.

- .2 At completion of the Work, replace at own expense, glass provided under this section which is broken due to loose setting, binding in the frame, pinched by glazing clips, inadequate or improper use of setting blocks, improper workmanship or other causes.

### 3.3 **INTERIOR GLAZING**

- .1 Standard wood doors: Install glass with continuous glazing channels on glass edges. Set glass and secure in place with stops butted tight to glazing channels. Secure stops to door with screws provided, with heads slightly below glass stop surface.
- .2 Standard hollow metal frames for screens and borrowed lights: Place setting blocks and spacers as required to support glass. Use a minimum of two setting blocks, locate at one-quarter points. Locate spacers at jamb edges of glass, uniformly spaced at 600 mm o.c. maximum, and 300 mm maximum from top and bottom.
- .3 Fire rated hollow metal doors: Set glass on continuous setting block with 6 mm gap between glazing stops and embed in putty in accordance with NFPA 80 requirements. All exposed joints between the metal and glass shall be struck and pointed.

### 3.4 **EXTERIOR GLAZING**

- .1 Apply setting blocks at quarter points on all four sides of openings.
- .2 Cut glazing tape to proper length and set against permanent stops approximately 0.8 mm below sightline. Install horizontal strips first, extend over entire width of opening before applying vertical strips. Weld corners together by butting tape and dabbling with sealant.
- .3 Remove backing paper from tape prior to setting glass.
- .4 Apply continuous heel bead between glass and sash.
- .5 Place glass in opening, press tightly and evenly against glazing tape.
- .6 Apply continuous glazing tape on removable stop. Place and screw stop in place with fluorocarbon coated oval head screws. Apply elastomeric sealant cap bead over top between glass and removable stop.







### 3.5 **IDENTIFICATION OF GLAZING**

- .1 Provide on one side of all glass lites, temporary, easily removable, large safety decals, immediately after glass installation. Maintain safety markings until final clean-up. Remove all markings at time of final clean-up.

End of Section

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**Furniture Schedule - New**  
**Project Name: Office Modernization for Toronto Water Office**  
**Project Number: 1418121**  
**Date: 2025-02-03**



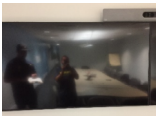
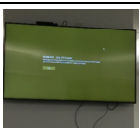
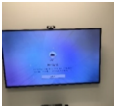



Symbol	Description	Inventory Quantity	Qty Required & Location	Dimensions LxWxH	Finishes	Notes	Image
<b>Chairs</b>							
CH-07	New - JumpSeat 90, Sedia Systems	N/A	1pc - Client In-take (Waiting Area)		TBD	JumpSeat 90. Moveable Seat, non fixed base.  <b>SUPPLY AND INSTALL BY CONTRACTOR</b>	
CH-08	New - Kitchen Counter Height Stool	N/A	3pcs - Kitchen/Lunch Room	18"W, 29"H seat height	TBD	Polypropylene stackable chair; seat and perforated back, chrome frame, c/w glides on resilient flooring.  No arms. No seat pad. For use at counter-height tables. Neutral colour to be specified.	
<b>Workstations</b>							
WS-01	New - Workstations	N/A	22 - Main Level Workstations 27 - Mezzanine Level Workstations <b>TOTAL: 49</b>	5' - 6" x 2' - 6" (ModernTO suggests 6', space can not accommodate)	TBD	<b>Equipped With:</b> - Sit-Stand Desk (independent from Spine) - Seated Height Privacy Screen secured to spine @ 51"AFF - Height Adjustable 27" - 43"H - Low electronic mechanism. Height Adjustable controls to have Colour/Brightness Contrast - Under surface Cable Management - Single Pole Dual Monitor Arm c/w integrated cable management (any size application) - Min Range: 6"-27" Vertically, 16"-25" Horizontally, 80 Deg Tilt, 360 Deg. rotation, 40lb support, quick install/release, white with polished aluminum trim - Desk Mount power/usb Module (2) Power, (2) USB and (1) Blank. - Universal Docking Station (by others) - Side Gallery Panel at Corridor Side of workstation Pods. Grade A or 1 whiteHPL. - 6 outlet Power Bar, fixed to underside of desk. - T Leg - Grade A or 1 White HPL c/w square vinyl Edge.	
WS-02	New - Workstations	N/A	4-Mezzanine TouchDown Workstations	4' - 0" x 2' - 6" (As Per ModernTO)  -Surface height capable of between 30" - 34" AFF;	TBD	- Colour/brightness contrast from surrounding environment; and -Feet/legs that do not protrude outside of the workstation. -Power Bar, fixed to underside of desk.	
WS-03	New - Workstations	N/A	3- Client In-Take	4' - 10" x 2' - 6"  -Surface height capable of between 30" - 34" AFF;	TBD	- Sit-Stand Desk (independent from Spine) -Modesty Panel between user and guest. - Height Adjustable 27" - 43"H - Low electronic mechanism. - Height Adjustable controls to have Colour/Brightness Contrast -Gallery Panel between users and at end of run @72" H - Desk Mount power/usb Module (2) Power, (2) USB and (1) Blank. - Colour/brightness contrast from surrounding environment - Universal Docking Station (by others) -Monitor arm 2qty - Min Range: 6"-27" Vertically, 16"-25" Horizontally, 80 Deg Tilt, 360 Deg. rotation, 40lb support, quick install/release, white with polished aluminum trim -6 outlet Power Bar, fixed to underside of desk.	
<b>Credenza</b>							
CR-01	New - Credenza	N/A	1- Large Meeting Room	6'-0" x 1'-8" x 29"	TBD	-Credenza/counter for serving with trash and recycling bins stored below.	<b>Z J X B</b> <b>Boardroom Credenza, 1/2" Top, 29H with Doors &amp; Drawers</b> 

## Equipment Schedule

Project Name: Office Modernization for Toronto Water Office

Project Number: 1418121

Date: 2025-02-07









Symbol	Description	Inventory Quantity	Qty Required & Location	Notes	Image
<b>Tech Equipment</b>					
EQ-01	Samsung TV - QM98T-B Crystal UHD 4K Signage  96in. TV	None - <b>NEW</b>	1- Large Boardroom	SUPPLY AND INSTALL BY CONTRACTOR	
EQ-02	60" Samsung TV (moveable)	1	1 - Open Area		
EQ-03	65" Television Samsung	1	1 - Meeting Rm #1	INSTALL BY CONTRACTOR  Only 3 required for the 4-5 person meeting rooms	
	65" Screen	2 From TW IT	2 - Meeting Rm #2 & #3		
EQ-04	75" Television	4	4 - Mezzanine & Ground Floor Open Offices	INSTALL BY CONTRACTOR	
EQ-05	55" Television Sharp	1	1- Kitchen/Lunch Room	INSTALL BY CONTRACTOR	
EQ-06	Photo Copier mfpe87660	2	1- Business Centre 1- Adjacent Large Meeting room		
<b>Kitchen Equipment</b>					
EQ-07	Stainless Steel Fridge	1	1-Kitchen	D: 34", W: 33", H: ~68"	
EQ-08	Range	1	1-Kitchen	L: 30 1/4", W: 27 1/2", H: 35 1/2" top of stove  Stove only - hood range not required	

## Equipment Schedule

Project Name: Office Modernization for Toronto Water Office

Project Number: 1418121

Date: 2025-02-07

Symbol	Description	Inventory Quantity	Qty Required & Location	Notes	Image
EQ-09	Microwave	2	1-Kitchen	Client to provide spec	
EQ-10	Toaster Oven	1	1-Kitchen	One toaster required.	
	Toaster Oven	1			
	Toaster	1			
EQ-11	Dish Washer	1	1-Kitchen	D: 25 1/2", W: 24", H: 34 1/2"	
EQ-12	Coffee Maker	1	1-Kitchen		
<b>Kitchen Plumbing Fixtures</b>					
EQ-13	Kitchen Sink	None - <b>NEW</b>	1-Kitchen	24" Undermount single bowl kitchen sink. Approx. 24"W x 18 1/4"D Finish: Stainless steel.  <b>SUPPLY AND INSTALL BY CONTRACTOR</b>	
EQ-14	Faucet	None - <b>NEW</b>	1-Kitchen	Faucet with Touchless Technology. Approx. 9.5"W x 16 3/16"H Finish: Chrome.  <b>SUPPLY AND INSTALL BY CONTRACTOR</b>	
EQ-15	Bottle Filling Station with Drinking Fountain.	None - <b>NEW</b>	Washroom Hallway	Approx. 19"W x 18 3/8"L x 39 1/16"H Finish: Stainless steel.  <b>SUPPLY AND INSTALL BY CONTRACTOR</b>	

1 General

1.1 **SUMMARY**

.1 Section Includes

- .1 Products, equipment and services necessary to complete the Work of this section.
- .2 Work include but are not limited to the following:
  - .1 Pre-finished extruded aluminum framing systems for interior use.
  - ~~.2~~ Frameless swingSwing glass doors for interior use.
  - ~~.2.3~~ Sliding glass doors for interior use.
  - ~~.3.4~~ Glass and other Glazing Panels

1.2 **REFERENCES**

.1 Conform to the latest edition of the following:

- .1 AAMA 611, Voluntary Specification for Anodized Architectural Aluminum.
- ~~.2~~ AAMA 2603, Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic coatings on Extruded Aluminum and Panels.
- ~~.3~~ ANSI ICC A117.1, Accessible and Usable Buildings and Facilities.
- ~~.4.2~~ ANSI/BHMA A156.115, Hardware Preparation in Steel Doors or Steel Frames.
- ~~.5~~ ANSI Z97.1, Safety Glazing Materials Used in Buildings—Safety performance Specifications and Methods of Test.
- ~~.6~~ ASTM A666, Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- ~~.3~~ ASTM B209: Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
- ~~.7.4~~ ASTM B221, Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- ~~.8.5~~ ASTM B456, Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- ~~.9.6~~ ASTM B633, Standard Specification for Electrodeposited Coatings of Zinc on iron and Steel.
- ~~.10.7~~ ASTM C864, Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
- ~~.11.8~~ ASTM C1048, Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass.
- ~~.12~~ NECB, “National Energy Code of Canada for Buildings”
- ~~.13~~ ASHRAE 90.1, “Energy Standard for Sites and Buildings Except Low-Rise Residential”



- ~~.14 — OBC SB-10, "Energy Efficiency Requirements"~~
- ~~.15 — GANA Publications: GANA's "Laminated Glazing Reference Manual" and GANA's Glazing Manual."~~
- ~~.16 — AAMA Publications: AAMA GD5G-1, "Glass Design for Sloped Glazing," and AAMA TIR-A7, "Sloped Glazing Guidelines."~~
- ~~.17 — IGMA Publication for Sloped Glazing: IGMA TB-3001, "Guidelines for Sloped Glazing."~~
- ~~.18 — IGMA Publication for Insulating Glass: IGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."~~
- ~~.19 — NFRC 100, "Procedure for Determining Fenestration Product U-Factors"~~
- ~~.20 — NFRC 200, "Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and VLT"~~

1.3

**DESIGN REQUIREMENTS**

.1 Drawing and Specifications.

- .1 Drawings are diagrammatic and do not purport to identify or solve the specified performance criteria the Work is required to meet or surpass.
- .2 Details shown on Drawings are schematic and show general arrangement and intent.
- .3 Drawings indicate profiles and configurations required together with relationships to the building structure and other ~~exterior and~~ interior building elements with which the Work is required to interface.
- .4 Drawings do not purport to solve problems at the glass lines associated with glass installation, movements, pressure fractures and thermal shocks.
- .5 Drawings contain details that suggest directions for addressing some of the major design requirements. The Contractor may use the details and develop them as deemed best to obtain the required design criteria.
- .6 Specifications are performance type and include minimum requirements. Specifications are not intended to limit the method of achieving the required performance.

.2 General: Provide aluminum-framed ~~office fronts and partitions and~~ doors ~~systems~~ of dimensions and configurations shown on Drawings, complying with performance requirements indicated, based on manufacturer's testing of doors representative of those specified:

~~.1 — Aluminum frames and fixed panels shall withstand gravity loads and a lateral deflection is limited to the lesser of L/175 or 3/4 inch, whichever is less, when tested under a uniformly distributed load of 5 lb/sq. ft. (24.4 kg/sq. m) according to ASTM E 72.~~

~~.2.1~~ Glazing Rebates: Design glass framing system to limit lateral deflections of glass panel edges to less than 1/175 of glass-edge length or 3/4 inch (19 mm), whichever is less.

- .3 ~~Where floor elevation on one side of a wall is more than 600 mm higher than the elevation of a floor on the other side of the wall, portions of the interior glass partitions located below 1070 mm AFF to be designed and constructed in accordance with the requirements for guards in Part 4 of the OBC.~~ Provide glazing of thicknesses and strengths to meet these requirements. Framing members be sized and reinforced as required. Provide written confirmation from the engineer responsible for the review of the shop drawings that these requirements have been met.

#### 1.4 SUBMITTALS

- .1 Product data and certifications: Submit manufacturer's product data, installation instructions, use limitations and recommendations for each door and frame product used. Provide manufacturer's certifications stating that products and assemblies comply with specification requirements.

.1 Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frames indicated.

.2 Include information on factory finish, glass, glazing gaskets, deflection tracks, accessories and other required components.

- .2 Shop Drawings: Submit schedule indicating opening numbers, frame types, dimensions, swing/slide direction and clearances, and hardware requirements.

~~.1 Show and describe components, finishes, dimensions, finishes and installation details. Include plans, elevations, sections, full-size details, anchorage, locations of accessory items and attachments to other work. Indicate field measurements on Shop Drawings. Indicate track profile, materials and dimensions.~~

~~.1 Include plans, elevations and details indicating frame types, profiles, conditions at openings, methods and locations of anchoring, glazing requirements, hardware locations and reinforcements for hardware.~~

~~.3 Coordination Drawings: Reflected ceiling plans drawn to scale and coordinating partitions with ceiling-mounted items including lighting fixtures, diffusers, grilles, speakers, sprinklers, access panels, and special moldings. Plans shall also show coordination of and with the overhead support structure.~~

~~.4 Calculations: Where installed Work is indicated to comply with certain design loadings, provide professionally prepared calculations, material properties, certification, and other information required for structural analysis of performance of Work.~~

#### ~~5.3~~ Samples:

.1 Selection samples: Submit printed colour charts or sample chains indicating manufacturer's complete range to determine colour, texture, shape and/or composition for each type of material finish exposed to view for review by Consultant before commencing work. Samples to be clearly labelled with manufacturer's name and type.

.2 Final selection samples: Submit products for acceptance, those required prior to manufacturing to verify close tolerances, shapes and/or specifically required aesthetics. Submit extrusions or formed shapes in lengths of 300 mm demonstrating each specified finish for review by Consultant before commencing work. Samples to be clearly labelled with manufacturer's name and type.

1.5 **QUALITY ASSURANCE**

- .1 Installer Qualifications: Contractor executing Work, must have a minimum of five (5) years continuous Canadian experience in successful installation of work of type and quality shown and specified. Contractor must have adequate equipment and skilled tradesmen to perform it expeditiously and to the highest quality standards for this type of Work. Submit proof of experience upon Consultant's request.
- .2 Manufacturer's qualifications: Company specializing in the manufacturing of door frame system with a minimum of 5 years of documented experience on a comparable size project.
- .3 Engineering: Provide the Services of a Professional Engineer, currently registered in the Province of Ontario, to design and certify that the Work of this Section meets or exceeds the performance requirements specified in this section.

1.6 **DELIVERY, STORAGE AND HANDLING**

- .1 Deliver frames and doors in cartons to provide protection during transit and storage at project site.
- .2 Inspect frames and doors upon delivery for damage.
  - .1 Repair minor damage to pre-finished products by means as recommended by the manufacturer.
  - .2 Replace frames that cannot be satisfactorily repaired.
- .3 Store frames at the project site under cover and as near as possible to the final installation location. Do not use covering material that will cause discoloration of aluminum finish.

1.7 **PROJECT/SITE CONDITIONS**

- .1 Field measurements: Verify partition layout by field measurements and indicate measurements on Shop Drawings. Coordinate with construction progress to avoid delaying the Work.
- .2 Coordination of Work: Coordinate layout and installation of partition components with other units of Work, including ceilings, lighting fixtures, HVAC equipment, and fire-suppression systems.

1.8 **WARRANTY**

- .1 Warrant Work against defects in materials and workmanship in accordance with the General Conditions, for a period of two (2) years from date of Substantial Performance and agrees to repair or replace faulty materials or Work which appears during the warranty period, without cost to the Owner. Defects include but not limited to, structural failures including excessive deflection, faulty operation of operators and hardware, deterioration of metals, metal finishes and other frame component materials.

2 **Products**

2.1 **MATERIALS**

.1 Aluminum Component:

- .1 Controlled alloy billets meeting requirements of ASTM B221, 6063 T5 alloy or as recommended by aluminum frame manufacturer for strength, corrosion

~~resistance, and application of required finish, to assure compliance with tight dimensional tolerances and maintain colour uniformity.~~

~~.0.2 Sheet Aluminum: conforming to ASTM B209, anodized quality for exposed surfaces~~

~~.1 Member wall thickness: Meet specified performance requirements and minimum dimension requirements.~~

~~.2 Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of storefront members are nominal and in compliances with AA Aluminum Standards and Data.~~

.2 Glass: Manufacturer's standard fully tempered clear, low-iron float glass conforming to ASTM C1048, with protective coating as indicated on Drawings and Finish Schedule.

## 2.2 INTERIOR GLASS PARTITIONS

.1 Fixed Glass Panel Partitions: Framed glass panel partition with perimeter channel frames, butt-glazed dry joint and framed joints between panels, equipped with swinging doors and sliding doors where indicated.

~~.0.1 Refer to Drawings and Finish Schedules for material, Finishes~~finishes~~, type, size, and location.~~

~~.1 Agardy Glass and Aluminum Inc. (Basis of Design)~~

~~.2 Or accepted equal~~

~~.2 Framing: Aluminum studs and top, bottom, deflection tracks, depth as standard with the manufacturer.~~

.2 Trim: Extruded Aluminum, continuous, factory-finished, snap-on type; adjustable for variations in floor and ceiling levels as standard with the manufacturer. Clip installed between aluminum covers and aluminum frames, to eliminate rattles and facilitate easy installation and removal of covers without destruction.

.1 Trim Materials: Extruded aluminum.

~~.1 Trim Profiles: As indicated on Drawings.~~

.2 Cornice Trim: Continuous over tops of partial-height units for maximum stability.

~~.3 Swing Doors: Aluminum framed, as indicated on Drawings. Size as indicated on Drawings.~~

~~.1 Accessibility Standard: Comply with applicable provisions in ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1~~

~~.2 Single Door: Glass panel matching partition panel material and thickness.~~

.3 Doors:

.1 Swing Door: Single door, aluminum framed with extruded rail and narrow stile members.

.1 Size as indicated on Drawings.

.2 Glass panel to match partition panel material and thickness.

.2 Sliding Door:

- .1 Aluminum framed, single sliding door with extruded rail and narrow stile members.
- .2 Size as indicated on Drawings.
- .3 Sliding Door Track: Provide standard manufacturer track system where required.
- .4 Door Frames: Manufacturer's standard aluminum frames for doors, factory mortised to receive hardware.
- .5 Hardware: As indicated on Drawings and in hardware schedule. For exposed components, match metal and finish of exposed partition fittings unless otherwise noted.
- ~~.0.1 Door Pulls: as indicated on Drawings.~~
- ~~.6 Glazing Frames: Manufacturer's standard aluminum frames for glazing thickness indicated.~~
- .6 Seals: Manufacturer's standard.
- .7 Acoustical rating: STC as required for type indicated on Drawings and as recommended by manufacturer.
- ~~.7.8 Accessories~~
  - .1 Fasteners: Aluminum, nonmagnetic stainless steel or other non-corrosive metal fasteners compatible with aluminum framing members, trim hardware, anchor, and other components.
  - .2 Anchor, Clips, and accessories: Aluminum, nonmagnetic stainless steel, or zinc coated steel or iron complying with ASTM B633 for severe conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
  - .3 Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome plated steel complying with ASTM B456 for severe conditions, or zinc coated steel or iron complying with ASTM B633 for severe conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
  - .4 Door silencers (Mutes): Manufacturers standard mohair or vinyl (black, grey or white).
  - .5 Glazing gaskets: Glazing gasket shall comply with ASTM C864 and be extruded of a silicone compatible EPDM rubber that provides for silicon adhesion.

## 2.3 **FABRICATION**

- .1 General Requirements: Fabricate work to be truly rigid, straight, plumb, level and square. Provide work matching sizes, shapes, and profiles indicated on approved shop drawings.
- .2 Hardware Preparation: Fabricate frames to receive hardware as indicated on approved final hardware schedules or as indicated on Drawings. Comply with applicable provisions of ANSI/BHMA A156.115 series specifications for hardware preparation.
- .3 Pre-machine jambs and prepare for hardware, with concealed reinforcement plates, drilled and tapped as required, and fastened within the frame.
- .4 Provide corner reinforcements and alignment clips for precise butt or mitered connections.

- .5 Fabricate frames for glazing with removable stops to allow glazing replacement without dismantling frame. Locate removable stops on the inside of spaces accessed by keyed doors.
- .6 Fabricate all components to allow secure installation without exposed fasteners.
- .7 Manufacturer shall pre-cut and ship all frame materials knock-down.
- .8 Hardware Locations: Locate hardware as indicated on final hardware shop drawings or, if not shown, as indicated in 'Recommended Locations for Builder's Hardware', published by Door and Hardware Institute.

## 2.4 **FINISHES**

- .1 Finish designations prefixed by AA conform to the system establish by the Aluminum Association for designating aluminum finishes.
- .2 Anodized Finishes:
  - .1 Class I, Clear Anodic Finish: AA-M12C22A41 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, clear coating 0.018 mm (.7 mils) or thicker complying with AAMA 611.
  - .2 Class I, Color Anodic Finish: AA-M12C22A42/A44 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, integrally colored or electrolytically deposited color coating 0.018 mm or thicker) complying with AAMA 611.
  - .3 Colour: as indicated on Drawings.

## 3 Execution

### 3.1 **EXAMINATION**

- .1 Examine substrates to receive the Work and ensure that work of other sections is complete and that there are no conditions which adversely affect the Work.
- .2 Verify that supporting structure, framing, and wall construction are acceptable for partition installation.
- .3 Notify the Construction Manager immediately of unsatisfactory conditions. Do not proceed with the Work until unsatisfactory conditions have been corrected.
- .4 Commencement of Work implies acceptance of surfaces and conditions.

### 3.2 **INSTALLATION.**

- .1 Install interior glass partitions in strict accordance with reviewed shop drawings and manufacturer's written instructions.
- .2 Provide appropriate anchorage devices to securely and rigidly fit frames into place, absolutely level, straight, plumb and square. Install frames in proper elevation, plane and location, and in proper alignment other work.
- .3 Separate aluminum and other corrodible surfaces from sources of corrosion or electrolyric action at points of contact with other materials.

### 3.3 **DEMONSTRATION.**

- .1 Engage a factory-authorized service representative to demonstrate and train Owner's maintenance personnel.
- .2 Adjust partitions and trim. Replace damaged or malfunctioning components.
- .3 Train Owner's maintenance personnel on procedures for installing, relocating, servicing and refinishing partitions and components.
- .4 Review data in maintenance manuals.

3.4 **ADJUSTING, TOUCH-UP AND REPAIR.**

- .1 After installation of doors and hardware, adjust clearances and operating parts to work easily, smoothly, and correctly. Doors shall not rub frames not bind.
- .2 Touch-up damaged shop coatings and repair minor damage to eliminate all evidence of repair. Remove and replace work which cannot be satisfactory repaired.

3.5 **PROTECTION.**

- .1 Provide protection required to assure that frames will be without damage or deterioration upon substantial completion of the project.

End of Section







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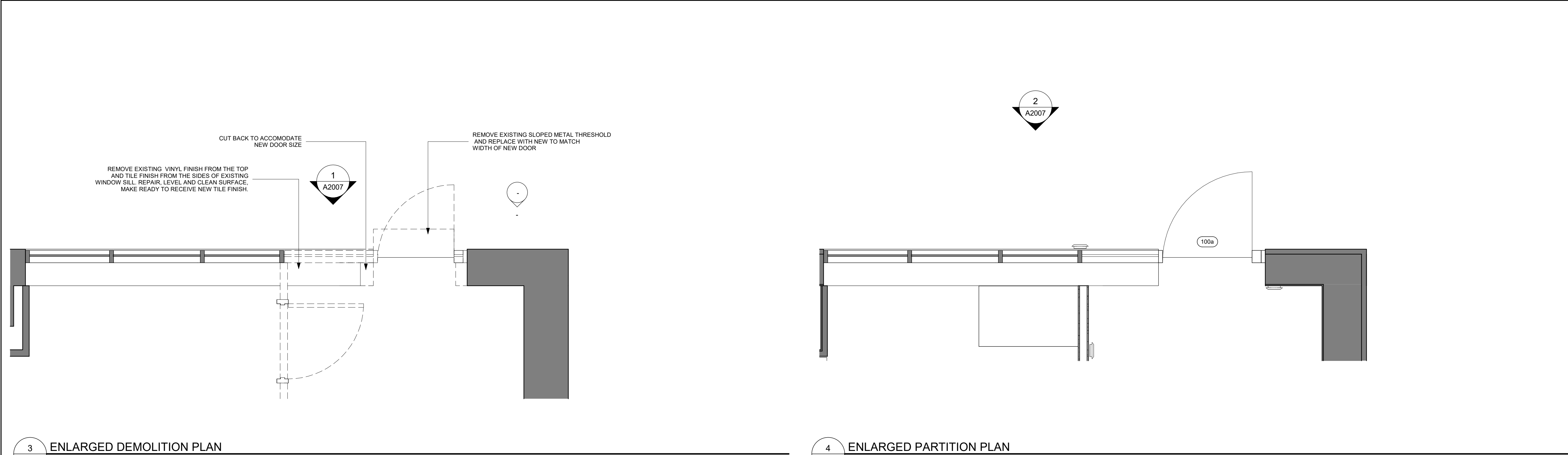


**Washroom Plumbing & Accessories Schedule**  
**Project Name: Office Modernization for Toronto Water Office**  
**Project Number: 1418121**  
**Date: 2025-02-03**

Symbol	Description	Quantity & Location	Image
<b>Plumbing Fixtures</b>			
PLB-01	Item: Manufacturer: Product:  Model #: Finish:	<b>Wall Hung Toilet</b> American Standard (Or approved alternative) Aifall - Millennium - Back Spud Elongated Wall-Hung EverClean® Bowl  No. 3353101.020 White Finish	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
PLB-02	Item: Manufacturer: Product: Model #: Finish:	<b>Wall Hung Sink</b> Kohler (Or approved alternative) Brenham® K-1997-1R-0 White Finish	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
PLB-03	Item: Manufacturer: Product:  Model #: Finish:	<b>Sensor Faucet</b> Kohler (Or approved alternative) Composed® Touchless single-hole lavatory sink faucet with Kinesis® sensor technology and temperature mixture, AC powered  K-103C37-SANA-CP Chrome	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-01	Item: Manufacturer: Product:  Model #: Finish:	<b>Commercial Toilet Seat</b> American Standard (Or approved alternative) Commercial Heavy Duty Open Front Elongated Toilet Seat with EverClean® Surface  5901110T.020 White	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-02	Item: Manufacturer: Product:  Model #: Finish:	<b>Soap Dispenser</b> Kohler (Or approved alternative) Composed® Touchless foaming soap dispenser, AC-powered  K-22847-CP Chrome	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-03	Item: Manufacturer: Product:  Model #: Finish:	<b>Hand Dryer</b> Dyson (Or approved alternative) Dyson Airblade® V Quiet Low Voltage Hand Dryer HU02 No. 307174-01 Nickel	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-04	Item: Manufacturer: Product:  Model #: Finish:	<b>Paper Towel Dispenser &amp; Waste Receptacle</b> Bobrick (Or approved alternative) Semi-Recessed Paper Towel Dispenser/Waste Receptacle No. B-38032 Satin-finish stainless steel	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-05	Item: Manufacturer: Product:  Finish:	<b>Double Toilet Tissue Dispenser</b> Bradley (Or approved alternative) Surface Mounted Twin Jumbo Roll Toilet Tissue Dispenser. Satin Finish Stainless Steel.	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-06	Item: Manufacturer: Product #: Finish:	<b>Wall Mount Coat Hook</b> Gingers (Or approved alternative) Kubic - 4610 Polished Chrome	2 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  
ACC-07	Item: Manufacturer: Product #: Finish:	<b>Stainless Steel Shelf</b> Bobrick (Or approved alternative) Gamco Stainless Steel Mirror Shelf No.MS-18 Stainless Steel	1 - Universal Washroom  SUPPLY AND INSTALL BY CONTRACTOR  

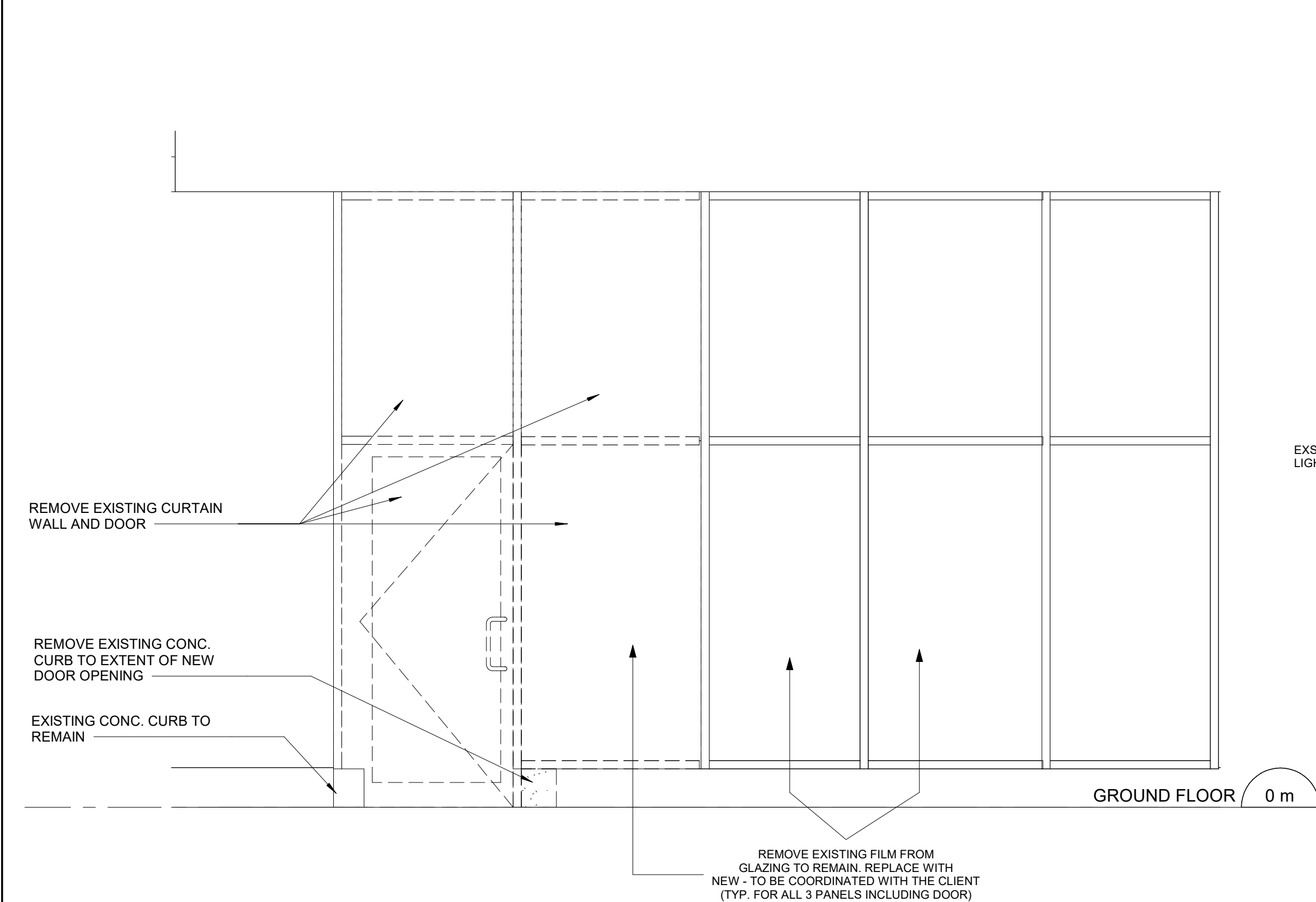
**Washroom Plumbing & Accessories Schedule**  
**Project Name: Office Modernization for Toronto Water Office**  
**Project Number: 1418121**  
**Date: 2025-02-03**

Symbol	Description	Quantity & Location	Image
ACC-08 RESERVE			
ACC-09	Item: Manufacturer:  Model #: Finish:	<b>Recessed Sanitary Napkin Disposal</b> Bobrick (Or approved alternative)  B-35303 Stainless Steel	1 - Universal Washroom  <b>SUPPLY AND INSTALL BY CONTRACTOR</b> 
ACC-10	Item: Manufacturer: Product:  Model #: Finish:	<b>L-Shaped Grab 38mm. 30"x30"</b> Bobrick (Or approved alternative) 1 1/4" (32mm) DIAMETER STAINLESS STEEL 30" x 30" (762 x 762mm) 90-DEGREE GRAB BAR  B-5898 Satin	<b>SUPPLY AND INSTALL BY CONTRACTOR</b> 
ACC-11	Item: Manufacturer: Product #: Finish:	<b>Grab Bar - 30"</b> Bobrick (Or approved alternative) B-5806 Series - Straight Grab Bar  No. B-5806 x 30 30" (760mm) Satin	<b>SUPPLY AND INSTALL BY CONTRACTOR</b> 
ACC-12	Item: Manufacturer: Product #: Finish:	<b>Wall-Mounted Swing Up Grab Bar</b> Bobrick (Or approved alternative) B-4998 Satin	<b>SUPPLY AND INSTALL BY CONTRACTOR</b> 
ACC-13	Item: Manufacturer: Product #: Finish:	<b>Back Bar Rest</b> Bobrick (Or approved alternative) Grab Bar Rail with Padded Back Bar  B-5892 Stainless Steel	<b>SUPPLY AND INSTALL BY CONTRACTOR</b> 
ACC-14	Item: Manufacturer: Product: Type:	<b>Flat Mirror Wall Mount</b> Glass Supplier Custom Frameless / Tilted Mirror	<b>SUPPLY AND INSTALL BY CONTRACTOR</b> 

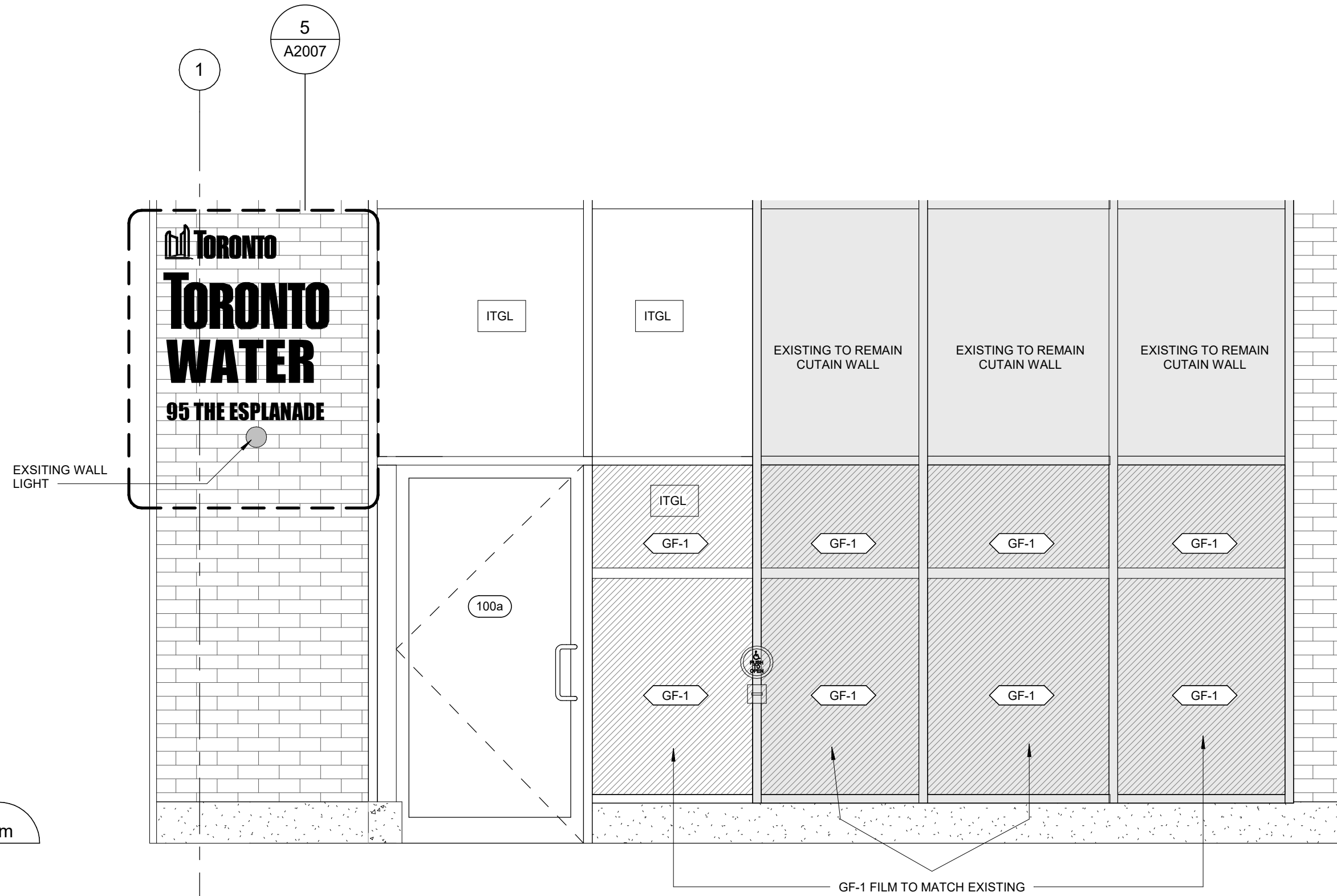


3 ENLARGED DEMOLITION PLAN  
A2007 Scale: 1 : 25

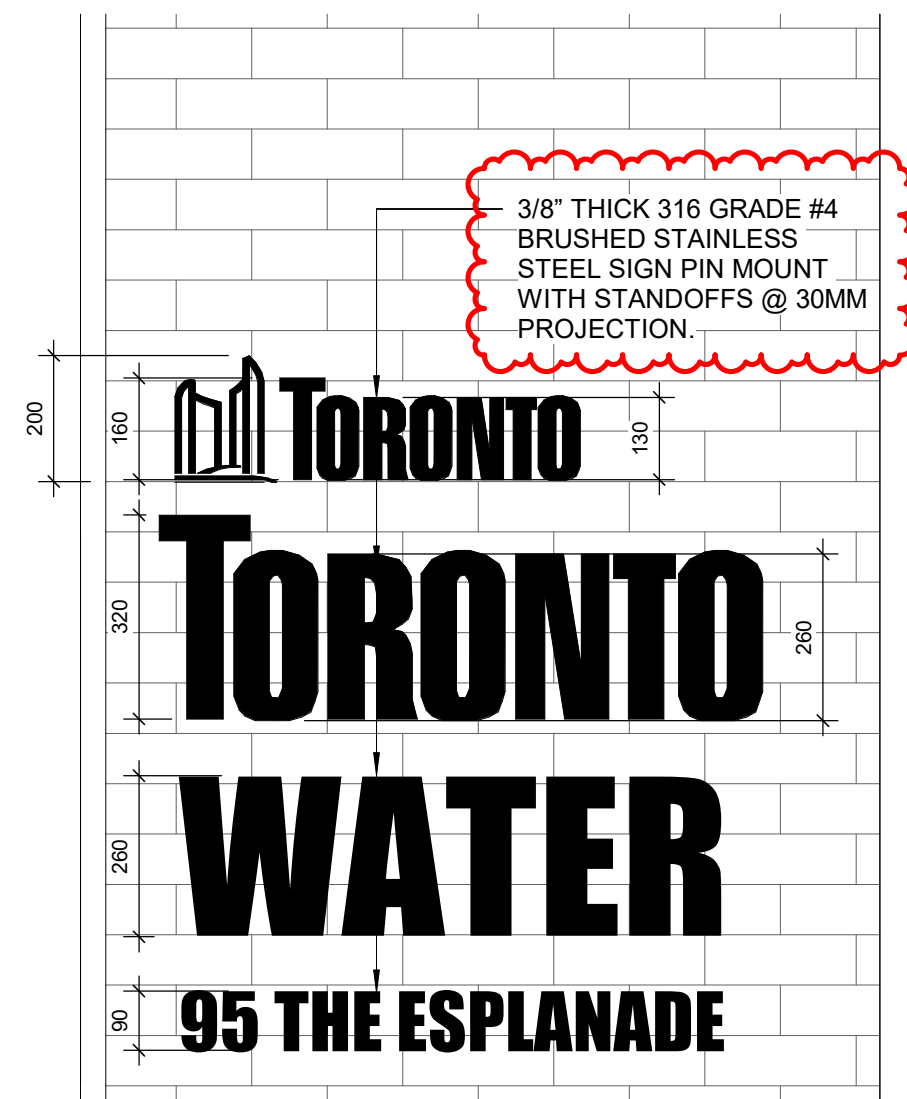
4 ENLARGED PARTITION PLAN  
A2007 Scale: 1 : 25



1 DEMOLITION ELEVATION AT EXTERIOR DOOR  
A2007 Scale: 1 : 25



2 PROPOSED ELEVATION AT EXTERIOR DOOR  
A2007 Scale: 1 : 25



5 EXTERIOR BUILDING SIGNAGE  
A2007 Scale: 1 : 12

CLIENT  
**CITY OF TORONTO**  
Corporate Real Estate Management  
Project Management Office  
Metro Hall Toronto, ON  
M5V 3C6

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Arcadis Professional Services (Canada) Inc.

ISSUES		
No.	DESCRIPTION	DATE
A	50% SUBMISSION - COST ESTIMATION	2024-11-05
B	ISSUED FOR 50% SUBMISSION	2024-11-19
C	ISSUED FOR 75% SUBMISSION	2024-12-12
D	ISSUED FOR 95% SUBMISSION / ISSUED FOR PERMIT	2025-01-24
E	ISSUED FOR 100% / PERMIT	2025-02-07
F	ADDENDUM 3	2025-03-10

CONSULTANTS

SEAL

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PROJECT TITLE  
**OFFICE MODERNIZATION FOR  
TORONTO WATER OFFICE**

PROJECT ADDRESS

95 The Esplanade  
Toronto, ON M5E 1Y8

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148121

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PROJECT MGR:  
**F. BOLOURIAN**

APPROVED BY:  
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SHEET TITLE  
**EXTERIOR PARTITION-  
ELEVATIONS**

SHEET NUMBER  
**A2007**

ISSUE  
**F**

