



# PROJECT & SPECIFICATIONS MANUAL

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Project Location:	Project Name:
ICC - Men's Main Washroom & Wudu Area (by the main lobby of ICC)	2025 - MWRW - ICC (Men's Main Washroom & Wudu Area Renovation)
Project Award Date:	Start Date:
Oct 3, 2025	Nov 10, 2025



## 1. Project Overview

This document outlines the scope of work, specifications, and general guidelines for the renovation of the existing washroom and wudu area. The goal of this project is to modernize the washroom, enhance its functionality, improve its aesthetic appeal, and ensure all installations comply with current building codes and safety standards, accommodating the growing community and demand of use, providing a clean, comfortable, functional, and pleasant space.

## 2. Scope of Work

### 2.1 Demolition

The project will begin with a complete tear-out of all existing fixtures, finishes, and specific concrete block partition walls to create a new layout. All debris will be removed and properly disposed of. The contractor will carefully salvage and preserve specific items like detectors, sprinkler heads, and the baby changing station for reinstallation.

### 2.2 Rough-in Work

New plumbing lines, drain lines, HVAC ducts, exhaust ducts, and electrical wiring will be installed to accommodate the new fixtures and layout. All work will adhere to current building and electrical codes, and the contractor will be responsible for obtaining all necessary permits and inspections.

### 2.3 Framing, Drywall, and Finishing

New walls will be framed to create the washroom partitions, a new storage area, and the half-center wall in the Wudu area. Moisture-resistant drywall will be installed in all moisture-prone areas and finished to a Level 4/5 smooth, paint-ready surface.

### 2.4 Flooring and Wall Tiling

The floors will be prepped, and new large-format tiles will be installed throughout the washroom. The Daltile pool tile line will be specifically used in the Wudu area. Walls will be similarly tiled with large-format tiles, while the double-sided center wall in the Wudu area will feature the Daltile pool tile line.



## 2.5 Washroom Fixture Installation

- Stalls & Toilets: Install 12 high-privacy stalls with door locks, 12 new toilets, and 12 new toilet paper dispensers. 12 flush valves will be installed (10 new and 2 Delta valves will be reused).
- Drains & Plumbing: Install 12 new hand shower bidets and accessible linear drains in every stall. A large linear drain will also be installed under the sink.
- Vanity: Install a new quartz countertop with one AODA-compatible sink.
- Faucets & Dispensers: Install 6 new Dyson faucet/hand dryer combos and 6 new automatic soap dispensers.
- Accessories: Install 6 lighting fixtures near the sink, and additional lighting between each mirror as shown in the renders. AODA-compliant handrails/coat hangers will be installed behind each stall door.
- Reinstallation: The existing baby changing table and all existing detectors (smoke, vape, motion, exhaust), sprinkler heads, and PA speakers will be reinstalled.
- Air Fresheners: Install automatic Dr. Scent air fresheners (provided by ISNA Canada).

## 2.6 Wudu Area Installation

- Stations & Seating: Install 10 Wudu stations, 10 faucets, 8 auto soap dispensers, and 8 seats/stools (including two standing stations).
- Features: Install footrests in seated stations, linear drains in the foot wells, and a water catch basin near the hand dryers.
- Accessories: Install 6 hand dryers and stainless steel wall-mounted or floor garbage bins.
- Walls: Install a backlit lattice wall on the north side and an arch design accent wall on the south wall.

## 2.7 Final Details and Cleanup

A new storage space will be created with a partition wall, metal door, light fixtures, outlets, and floor tile. The space will be painted, and all trim, including tiled baseboards, and accessories will be installed. The contractor is responsible for daily and final thorough cleanup of the site.



### 3. Materials Specifications

All materials used for this project shall be new, of high quality, and free from defects, conforming to the specifications listed below. Substitutions must be approved in writing by ISNA Canada.

#### 3.1. Plumbing Fixtures

##### 3.1.1. Toilet Bowl

- **Model:** American Standard Madera™ 1.1 – 1.6 gpf (4.2 – 6.0 Lpf) 15" Height Top Spud Elongated EverClean™ Bowl.
- **Manufacturer:** American Standard
- **Features:** Elongated bowl for comfort, 15" height (meets ADA compliance for some applications), EverClean™ surface inhibits the growth of stain and odour-causing bacteria, mold and mildew on the surface.
- **Material:** Vitreous China
- **Colour:** White
- **Quantity:** 12 units
- [Spec Sheet](#)



##### 3.1.2. Flush Valve

- **Model:** DELTA COMMERCIAL 81T201BTA H2OPTICS EXPOSED TOILET FLUSH VALVE - CHROME
- **Manufacturer:** Delta Commercial
- **Features:** H2Optics electronic sensing for hands-free operation, exposed installation, battery powered (4 AA batteries), vandal-resistant, adjustable tailpiece, 1.6 GPF.

- **Finish:** Chrome
- **Quantity:** 10 new flush valves (2 existing Delta valves to be reused/installed)
- [Installation guide;](#)
- [Spec Sheet](#)



#### 3.1.3. Washroom Vanity Faucets/Hand Dryer Combo

- **Model:** Dyson Airblade Wash+Dry™ wall commercial hand dryer (WD04)
- **Manufacturer:** Dyson
- **Features:** Washes and dries hands at the sink, HEPA filter, touch-free operation, dries hands in 14 seconds, quiet mark accreditation.
- **Quantity:** 6 units
- [Installation guide and Spec Sheet](#)



#### 3.1.4. Washroom Vanity Faucets/Hand Dryer Combo

- **Model:** Dyson Airblade Wash+Dry™ wall commercial hand dryer (WD04)



- **Manufacturer:** Dyson Airblade 9kJ
- **Features:** Washes and dries hands with up to 99% less expensive than single-use paper towels , HEPA filter, touch-free operation, dries hands in 14 seconds, quiet mark accreditation.
- **Quantity:** 4 units
- [Installation guide and Spec Sheet](#)



### 3.1.5. Wudu Area Faucets

- **Model:** WuduMate - Wall mounted ¼ turn tap
- **Manufacturer:** WuduMate
- **Features:** Durable for high-traffic wudu use, easy to operate, water-saving aeration and can be used as a safety handle.
- **Finish:** Chrome
- **Quantity:** 10 units



- [LINK;](#)
- [Spec Sheet](#)





### 3.1.6 Hand Shower Bidet

- **Model:** TEMPESTA® F TRIGGER SPRAY HAND SHOWER or similar.
- **Manufacturer:** Grohe
- **Features:** Ergonomic design, trigger control, integrated non-return valve, SpeedClean anti-lime system.
- **Finish:** Chrome
- **Quantity:** 12 units
- [SPEC Sheet](#)



### 3.1.7 Papertowel Dispensers

- **Model:** Tork® Matic® Manual Roll Towel Dispenser - or similar.
- **Manufacturer:** Tork
- **Features:** Sleek, European style and quality for high-end restrooms. Manual operations
- **Finish:** Stainless Steel
- **Quantity:** 2 units
- [SPEC Sheet](#)





## 3.2. Tiles

### 3.2.1. Floor Tiles (Washroom)

- **Type:** Large format porcelain tile
- **Finish:** Matte, flat edge
- **Size:** As close to concept drawing as possible (24"x48" or 48"x48")
- **Colour/Design:** Close to the design of the concept drawing.
- **Grout:** Non-sanded, matching colour.
- **Manufacturer:** [TBD - to match concept drawing]

### 3.2.2. Wall Tiles (Washroom)

- **Type:** Large format ceramic or porcelain tile
- **Finish:** As close to concept drawing as possible, Gloss finish
- **Size:** As close to concept drawing as possible (24"x48" or 48"x48")
- **Colour/Design:** Close to the design of the concept drawing.
- **Grout:** Non-sanded as appropriate, matching colour.

### 3.2.3. Wudu Area Tiles

- **Type:** Daltile pool tile line (for wudu making area/heavy water flow area and double-sided center wall)
- **Manufacturer:** Daltile
- **Series/Collection:** Pool Tile Line (specific collection to be confirmed with ISNA Canada based on concept drawing)
- **Features:** Designed for heavy water exposure, slip-resistant properties, and durability.
- **Size/Finish/Colour:** To be selected from Daltile's pool tile line to match the concept.
- **Grout:** Epoxy grout recommended for water resistance and durability in wet areas.
- **[Manufacturer LINK](#)**



### 3.3. Electrical

[Reflective Ceiling Plan click here](#)

#### 3.3.1. Recessed Lighting

- **Type:** LED Recessed Light
- **Size:** 6 inch
- **Colour Temperature:** 4000K ( White)
- **Voltage:** 347V (or suitable voltage for commercial application, verification required)
- **Quantity:** Approximately 36 units
- **Manufacturer:** Contractor's choice
- **Features:** Dimmable, energy-efficient, IC-rated (for direct contact with insulation).

#### 3.3.2. Vanity Lighting

- **Features:** Decorative fixture, provides ample lighting for the vanity area, compatible with dimmable bulbs.
- **Finish:** Black/Gold
- **Quantity:** 5 units (as per concept drawing)
- 3 Pendant lights in the wudu area as per renderings
- Under ledge COB lighting in the wudu station to be connected to an independent lighting switch
- 2 adjustable recessed lights as per plan for planter wall as per renders
- Independent switches and lighting controls for storage rooms as per reflective ceiling plans





### 3.3.3. GFCI/Regular Outlets

- **Type:** Tamper-resistant, Ground Fault Circuit Interrupter (GFCI) protected duplex outlets as per OBC
- **Amperage:** 15A/20A
- **Voltage:** 125V
- **Colour:** White
- **Quantity:** 6 (Locations TBD)
- **Manufacturer:** Leviton, Legrand



## 3.4. Wall & Ceiling Finishes

### 3.4.1. Drywall

- **Type:** 1/2" Moisture-Resistant Gypsum Board (moisture resistant) in all washroom and wudu areas (behind tile and painted surfaces). 1/2" standard gypsum board elsewhere.
- **Manufacturer:** Contractor's choice
- **Features:** Enhanced moisture resistance for high-humidity environments.

### 3.4.2. Paint

- **Type:** Premium quality, low-VOC (Volatile Organic Compound), mold-resistant acrylic latex paint.
- **Finish:** Satin for walls, Flat for ceiling.
- **Colour:** Matching concept drawings. Contractor to get approval for colour.
- **Manufacturer:** Sherwin-Williams or Benjamin Moore
- **Features:** Excellent washability, durability, and mildew resistance for bathrooms.



### 3.5. Vanity & Countertop

#### 3.5.1. Countertop

- **Type:** Quartz countertop
- **Thickness:** 2cm (3/4 inch) minimum, with polished edges. Must have a front skirt that comes down at least 8" as per renders.
- **Colour/Pattern:** Close to the design concept (e.g., light grey with subtle veining, solid white).
- **Features:** Non-porous, stain-resistant, highly durable for heavy traffic.
- **Manufacturer:** Contractor's choice; Further design spec as per renders. Final drawings from the fabricator need to be shared with ISNA before production.

### 3.6. Accessories

#### 3.6.1. Mirror (Main Vanity)

- **Type:** Oval gold trim mirror
- **Size:** 48" x 24"
- **Features:** High-quality reflective surface, designed for commercial use.
- **Quantity:** 6 units
- **[Product Link](#) or similar – must comply with renders and design**





### 3.6.3. Toilet Paper Dispenser

- **Type:** Commercial-grade, double-roll dispenser.
- **Quantity:** 12 units
- **Manufacturer:** Uline
- [Product Link](#)



### 3.6.4. Robe Hooks/Handrails

- **Type:** Heavy-duty, single or double robe hooks (if not combined with handrails).
- **Material:** Stainless steel or chrome.
- **Quantity:** One per stall for a handrail/coat hanger combination.
- **Manufacturer:** Contractor's choice



### 3.6.5. Automatic Soap Dispensers

- **Model:** Multi Feed Tubular 2030 Automatic Soap Dispenser or similar look and same finish as faucet.
- **Manufacturer:** Stern Faucets preferred, or similar
- **Type:** Counter-mounted touch-free. Design TBD.
- **Features:** Bulk fill option, LED indicator for low battery/soap.



- **Finish:** To match faucet finish **Quantity:** 12 units (6 for washroom, 6 for wudu)



#### 3.6.6. Linear Drain (Under Sink)

- **Model:** Infinity Drain 48" Linear Shower Drain Assembly or similar.
- **Manufacturer:** Infinity Drain or similar.
- **Features:** Stainless steel construction, allows for large format tile integration, and high flow rate.
- **Size:** 48 inches (length to match vanity setup).
- **Quantity:** 1 unit
- [LINK](#) for concepts

#### 3.6.7. Linear Drain (Stall)

- **Model:** Signature Hardware Effendi 32" Linear Shower Drain with Flange or similar.
- **Manufacturer:** Signature Hardware or similar.
- **Features:** Stainless steel construction, removable grate, designed for shower/stall applications.
- **Size:** 32 inches.
- **Quantity:** 6 units (one accessible per stall as per renders)
- [LINK](#) for concepts

#### 3.6.8. Linear Drain (Wudu Area)

- **Type:** Custom linear trough for foot well and standing area. This needs to be custom-made by the contractor. Cut sheet will be provided for estimates, but final drawings and fit will be the contractor's responsibility. Installation needs to



be exactly as the renders and drawings appear. Needs to be flushed with finished floor tile

- **Material:** Stainless steel.
- **Features:** High capacity, slip-resistant grate, designed for heavy foot traffic and continuous water flow.
- **Quantity:** As per drawing layout.

#### 3.6.9. Automatic Air Fresheners

- **Type:** Dr. Scent machines (provided by ISNA Canada).
- **Manufacturer:** Dr. Scent
- **Features:** Programmable, scent diffusion system, commercial-grade.
- **Quantity:** As required for space coverage (to be supplied by ISNA Canada).

#### 3.6.10. Stall Partition

- **Type:** Custom-made washroom partitions require on-site framing. WC partitions will be made from plywood and be factory finished with a high gloss lacquer to the colour agreed upon by ISNA
- **Size:** 72" doors (height to ensure high privacy).
- **Features:** Durable, water-resistant, vandal-resistant, easy to clean, high privacy design with Schlage thumb turn locks and pull handle.
- **Colour/Finish:** To match concept drawing.
- **Manufacturer:** Schlage
- **Quantity:** For 12 stalls.

#### 3.6.11. Vape Detector

- **Type:** Existing vape smoke detector to be removed and reinstalled.

#### 3.6.12. Garbage Bin (Wudu Area)

- **Type:** Stainless steel wall-mounted or floor-standing commercial garbage bin.
- **Features:** Durable, easy to clean, often with a swing top or open top for hands-free disposal.
- **Quantity:** 1 unit
- **Manufacturer:** Uline





- [Product Link](#)

#### 3.6.13. Storage Space Metal Door

- **Type:** Commercial-grade metal door.
- **Features:** Durable, secure, fire-rated if required by code.
- **Finish:** Painted or pre-finished to match adjacent surfaces.
- **Manufacturer:** Contractor's preference. Keyed Door handles to be supplied and installed by Lockup service (locksmith on retainer)
- **Quantity:** 2

### 4. Demolition

#### 4.1 Fixtures and Finishes

- Safely disconnect and remove all existing plumbing fixtures, including sinks, taps, and toilets (keeping the Delta flush valves).
- Remove the countertop, soap dispensers, hand dryers, paper dispensers, and mirrors.
- Remove all floor and wall tile.
- Remove the old air fresheners and current light fixtures.
- Demolish the existing showers.



#### 4.2 Walls and Stalls

- Remove all stalls and concrete block partition walls to create a single, large, rectangular space.
- Dispose of the old stalls and several block partition walls.

#### 4.3 Items to Salvage

- Carefully detach and preserve the following items for reinstallation:
  - Smoke detectors
  - Sprinkler heads
  - Motion detectors
  - Exhaust motion detectors
  - PA speakers
  - Baby changing stations

#### 4.4 Debris Removal

- Remove all stools.
- All debris must be removed from the site and disposed of legally and responsibly.

### 5. Plumbing Work

- **Rough-in:** Remove and rough-in new plumbing lines and drain lines to accommodate new fixture locations and the redesigned layout (including linear drains in stalls and Wudu area).
- **Shut-off Valves:** Install new quarter-turn shut-off valves for all fixtures.
- **Pressure Test:** All new plumbing connections will be pressure tested to ensure no leaks.

### 6. Electrical Work

#### 6.1 Wiring and Circuitry

- Run new electrical wiring as required for new LED recessed lighting, vanity lighting, exhaust fans, and GFCI outlets. All wiring must comply with current electrical codes.
- Obtain an electrical permit and have all electrical work inspected by the Electrical Safety Authority (ESA).
- Verify existing circuits can handle new load requirements; upgrade or add new circuits if necessary.
- Install new light switches.



## 6.2 Fixture Installation and Connections

- Ensure the exhaust fan is properly vented to the exterior of the building, with a rough-in for HVAC ducts and exhaust ducts.
- Ensure proper ducting to the exterior for efficient moisture removal.
- Reinstall existing smoke detectors, sprinkler heads, motion detectors, exhaust motion detectors, and PA speakers according to the new space requirements.

## 7. Flooring Installation

### 7.1 Preparation

- Prepare the subfloor, ensuring it is clean, dry, level, and structurally sound.
- Apply a self-leveling compound if necessary.
- Install cement board or an equivalent tile underlayment.

### 7.2 Tile Installation

- Apply thin-set mortar and lay the specified large-format floor tiles throughout the washroom.
- Apply thin-set mortar and lay the Daltile pool tile line in the Wudu making area/heavy water flow area.

### 7.3 Finishing

- Grout the tiles with the specified grout color and type.
- Apply silicone sealant at the perimeter and changes of plane.

## 8. Walls and Ceiling

### 8.1 Drywall and Tile

- Install new moisture-resistant drywall (Green Board) in areas exposed to moisture, such as behind the shower, vanity, and Wudu area.
- Tape, mud, and sand the drywall to a smooth, paint-ready finish (Level 4/5 finish).
- Apply thin-set mortar and lay the specified large-format wall tiles throughout the washroom.
- Apply thin-set mortar and lay the Daltile pool tile line on the double-sided center wall in the Wudu area.



## 8.2 Painting and Decor

- Apply the specified primer coat to all non-tiled surfaces.
- Apply two coats of the specified paint to non-tiled walls and the ceiling.
- Install wallpaper in the washroom for a decorative finish. [Click for source](#)



## 9. Fixture and Fitting Installation

### 9.1 Toilet Stalls and Fixtures

- Install **12** toilets, ensuring new wax rings and supply lines.
- Install **12** high-privacy stalls with door locks.
- Install a linear drain in every stall.
- Install **12** toilet paper dispensers.
- Install **10** new flush valves (plus 2 existing to be reused)
- Install **12** hand shower bidets.
- Install handrails and coat hangers in all stalls.

### 9.2 Vanity and Sink Area

- Assemble and install vanity cabinets, countertop, and sink. Connect the drain and supply lines.
- Install **6** Dyson faucet/hand dryer combos and **6** automatic soap dispensers.



- Install a large vanity mirror and a large linear drain under the sink.
- Install **6** lighting fixtures near the sink.
- Install a partition wall, a metal door, light fixtures, outlets, and floor tile for storage space.

### 9.3 Wudu Area

- Install **10** Wudu stations with **10** faucets and **6** soap dispensers.
- Install **8** seats/stools (ensuring **2** standing/accessible stations) with footrests in seated stations.
- Install a linear drain in the foot well and the standing area.
- Install **6** hand dryers.
- Install a stainless steel wall-mounted or floor garbage bin.

### 9.4 Reinstallation and General Items

- Reinstall the existing baby changing table.
- Reinstall the vape smoke detector, smoke detectors, sprinkler heads, motion detectors, exhaust motion detectors, and PA speakers.
- Install Dr. Scent automatic air fresheners (provided by ISNA Canada).

## 10. Painting

- Mask off all areas not to be painted.
- Apply one coat of primer to all new drywall and repaired areas.
- Apply two finish coats of specified paint to walls and ceiling, ensuring even coverage and clean lines on non-tiled surfaces.

## 11. Project Timeline (Estimated)

- **Phase 1:** Demolition & Rough-in: 9 days
- **Phase 2:** Framing: 4 days
- **Phase 3:** Electrical, 4 days
- **Phase 4:** Drywall/mudding: 5 days
- **Phase 5:** Flooring: 9 Days
- **Phase 6:** Fixtures and Finishing: 7 days



## **Total Estimated Project Duration: 9 weeks – with ISNA-directed down times**

(Note: This timeline is an estimate and may vary based on material availability, unforeseen site conditions, and inspection schedules. Exact start and completion dates are TBD as per the RFP.)

### **12. Budget**

A detailed budget breakdown, including proposed quote in Canadian Dollars, Project number, material costs, labour costs, and contingency, will be provided in a separate document.

### **13. Safety and Compliance**

#### **13.1 Project and Permit Coordination**

ISNA Canada will provide a complete set of architectural drawings and MEP (Mechanical, Electrical, and Plumbing) plans/specifications. ISNA Canada will obtain the Building Permit and provide any base-building MEP design drawings required to execute the tender set.

The Contractor will obtain and post all trade permits/notifications as required (e.g., ESA electrical notification, TSSA gas where applicable), schedule all inspections, and coordinate with the Authority Having Jurisdiction (AHJ).

The Contractor will plan and sequence the work in accordance with the OBC and permit conditions and will schedule, attend, and close out all required inspections. Copies of inspection reports/approvals will be provided to the Owner. The Contractor will coordinate all requirements to enable issuance of occupancy by the AHJ, including completion of deficiencies, commissioning, test reports, as-builts, and manuals.

#### **13.2 Safety and Compliance**

All workers will adhere to strict safety protocols, including the use of personal protective equipment (PPE). All workers will follow site-specific Health & Safety protocols, including mandatory PPE, toolbox talks, lockout/tagout, WHMIS (Workplace Hazardous Materials Information System) compliance, and current WSIB (Workplace Safety and Insurance Board) clearance.



All work shall comply with the Ontario Building Code (OBC), Ontario Fire Code (OFC), Occupational Health and Safety Act (OHSA), Electrical Safety Authority (ESA) requirements, applicable Technical Standards and Safety Authority (TSSA) regulations for fuel-fired equipment, municipal bylaws, and relevant CSA/ULC standards and manufacturers' instructions.

The Contractor will identify any required modifications to the fire sprinkler/standpipe and FA (Fire Alarm) systems arising from the scope, engage licensed contractors, submit shop drawings as required, and perform all acceptance testing/verification (e.g., CFAA (Canadian Fire Alarm Association) verification) to satisfy the AHJ.

### 13.3 Site Maintenance and Housekeeping

Maintain a clean and safe work area at all times, including dust control, temporary partitions/hoarding, ventilation/negative air as required, protected egress routes, and daily housekeeping. All tools and equipment must be properly put aside and the work area cleaned at the end of each day.

## 14. Limitations/Exclusions

- Construction must stop during the 5 daily prayers so that congregants are not disturbed during their prayers, as well as Jummah prayers.
- There may be times when the centre is not available for work due to programming or other operational needs. These days will be communicated with at least 48 hours' notice (where permitted).
- There may also be restrictions to working during school hours. Mainly for noise disruption. All noise-related constructions should be done outside school timings and prayer timings.

## 15. Warranty and Maintenance

- **Workmanship Warranty:** Minimum 1 year on all labour performed.
- **Manufacturer Warranties:** All products and materials carry their respective manufacturer's warranties.
- **Maintenance:** Instructions for care and maintenance of new surfaces and fixtures will be provided upon project completion.

