
REQUEST FOR TENDER RFT #B25-03

Washroom Upgrades
(Fenelon Twp PS, Bobcaygeon PS, IE Weldon SS, Lady Mackenzie PS)

TLDSB ADDENDUM NO. 5

The following additional instructions and amendments shall apply and govern the contract accordingly:

.ADD:

See attached Architect Addendum #5-General:

END OF ADDENDUM NO. 5

1.0 INTENT

- 1.1 This Addendum is issued prior to receipt of Bid to provide clarifications and revisions to the Drawings and Specifications. The following additional instructions shall apply to and govern the Bid Documents.
- 1.2 Indicate receipt of this Addendum on the Tender Form.
- 1.3 This Addendum consists of **1 page** plus the listed attachments.
- 1.4 Attachments:
 - 1.4.1 Specification Section 10 21 13.19 PLASTIC TOILET COMPARTMENTS (5 pages)**
 - 1.4.2 ADD-M01 (2 pages)**

2.0 INTRODUCTORY INFORMATION

- 2.1 This addendum applies to all RFTB25-03 projects.
- 2.2 This addendum is issued to address the following:
 - 2.2.1 Clarifications to specification section 1021 13.19 PLASTIC TOILET COMPARTMENTS
 - 2.2.2 Clarifications to Mechanical specification 21 07 00 THERMAL INSULATION

3.0 CLARIFICATIONS

- 3.1 Refer to attached Section 10 21 13.19 PLASTIC TOILET COMPARTMENTS, changes are highlighted in red text.**
- 3.2 Refer to attached ADD-M01 for clarification to thermal insulation for piping.**

END OF ADDENDUM

1 GENERAL**1.01 RELATED REQUIREMENTS**

- .1 Section 09 30 13 Ceramic Tiling
- .2 Section 10 28 00 Toilet and Bath Accessories

1.02 REFERENCE STANDARDS

- .1 CSA Group (CSA)
 - .1 [CSA B651-\[12\]](#), Accessible Design for the Built Environment.
- .2 ASTM A 666 - Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
- .3 ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- .4 National Fire Protection Association (NFPA) 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
- .5 ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- .6 CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies"
- .7 CAN/ULC-S102.2, "Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies"

1.03 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for plastic toilet compartments and include preparation instructions and recommendations, product characteristics, performance criteria, physical size, finish, limitations and installation methods.
- .3 Shop Drawings:
 - .1 Submit drawings to indicate fabrication details, plans, elevations with location and type of hardware, and installation details.
 - .2 Submit test reports for CAN/ULC S102 and CAN/ULC S102.2 indicating the product meets or exceeds the standards.

- .4** Samples:
- .1 Submit 100 x 100 mm samples of manufacturer panel showing finish on both sides, two finished edges and core construction representing actual product, colour and patterns.

1.04 QUALITY ASSURANCE

- .1 Manufacturer Qualifications: A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.
- .2 Installer Qualifications: A company regularly engaged in installation of products specified in this section, with a minimum of 5 years of experience.
- .3 Materials: Doors, panels and pilasters constructed from high density polyethylene (HDPE) resins. Partitions to be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, nonabsorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments. Cover all plastic components with a protective plastic masking.
- .4 Performance Requirements:
 - .1 Fire Resistance. Partition materials shall comply with the following requirements when tested in conformance with CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies"
 - .2 CAN/ULC-S102.2, "Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies"

1.05 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials in manufacturer's unopened packaging until ready for installation, off ground, indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect specified materials from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

1.06 PROJECT CONDITIONS

- .1 Maintain environmental conditions (temperature, humidity, and ventilation) within limits

recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.07 WARRANTY

- .1 Provide manufacturer's written warranty covering all plastic components and hardware against breakage, corrosion, and delamination for 25 years from Substantial Performance.

2 PRODUCTS

2.01 PRODUCT AND MANUFACTURER

- .1 Solid plastic (HDPE) toilet and shower compartment partitions (TPT, SPT).
 - .1 Acceptable Product: Hiny Hiders **Class B conforming to CAN/ULC S102 and CAN/ULC S102.2** as manufactured and supplied by Scranton Products.
 - .2 Style: Floor mounted, overhead-braced toilet and shower compartments.

2.02 MATERIALS

- .1 Plastic Panels and Doors: High density polyethylene (HDPE) suitable for exposed applications, waterproof, non-absorbent. Colours to be selected from Scranton's CLASS B material colour range **tested and conforming to CAN/ULC S102 and CAN/ULC S102.2**.
- .2 Stainless Steel Castings: ASTM A167, Type 304
- .3 Aluminum: ASTM 6463-T5 Alloy

2.03 SOLID PLASTIC TOILET COMPARTMENTS

- .1 Doors, Panels and Pilasters: 1 inch (25.4 mm) thick with all edges rounded to a radius. Mount doors and dividing panels based on height of specified system.
 - .1 Door and panel height: 55 inches (1397mm)
 - .2 Pilaster height: 82 inches (2083mm) high.
- .2 Panel Colour: Colours tested to meet ASTM E84, CLASS B Colour Collection and as indicated below:

NOTE: For RFT B25-03 tender TLDSB the panel/pilaster vs. door colours and textures are to be in contrast for those with a visual impairment.

- | | | |
|----|-------------------------------|---|
| .1 | Lady Mackenzie Public School: | Panels/Pilasters: Black – Orange Peel
Doors: Grey – Orange Peel |
| .2 | IE Weldon Secondary School | Panels/Pilasters: Black – Orange Peel
Doors: White – Orange Peel |

- .3 Headrails: clear anodized, heavy duty extruded 6463-T5 alloy aluminum, anti grip design. Fastened to headrail brackets with stainless steel tamper resistant Torx head sleeve bolt and nut, fastened at the top of the pilaster with stainless steel tamper resistant Torx head screws.
- .4 Overhead braces [HR/OHB]. Provide overhead headrail braces perpendicular to long panels in barrier free stalls. Provide one (1) brace for stalls up to 2400mm in length, two(2) braces for stalls greater than 2400mm.
- .5 Pilaster shoe: 3 inches (76mm) high type 304, 20 gauge stainless steel. Secured to pilasters with stainless steel tamper resistant Torx head sleeve bolt and nut.
- .6 Attachment: stainless steel tamper proof type screws and bolts.

2.04 COMPONENTS

- .1 Hinges:
 - .1 Continuous stainless steel HELIX hinges.
 - .2 Material/finish: stainless steel pins.
 - .3 Swing: as indicated in drawings and reviewed submittal.
 - .4 Return movement: adjustable self closing.
 - .5 Emergency access feature.
- .2 Latch set: surface mounted anodized aluminum, emergency access feature.
- .3 Wall and connecting brackets: Heavy duty 6463-T5 anodized aluminum extrusion.
 - .1 Fastener locations relative to glass tile mosaic installation: No fasteners acceptable in glass tile.
- .4 Coat hook: Refer to Section 10 28 00.
- .5 Door pull: Barrier-free type suited for in-swinging or out-swinging doors, anodized aluminum or stainless steel both sides of barrier free stall doors.
- .6 Door Bumper. Provide where door swings against tile wall finish.
- .7 Shower curtain [SC-1]. Provide headrail with integral curtain track, curtain hooks and white, non-PVC curtain size to suit shower stall opening.

2.05 FABRICATION

- .1 Doors, panels and screens: 25 mm thick, solid HDPE panels
- .2 Pilasters: 25 mm thick, constructed same as door.

3 EXECUTION

3.01 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for plastic toilet compartments installation in accordance

with manufacturer's written instructions.

- .1 Visually inspect substrate.
- .2 Inform Consultant of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied Consultant.

3.02 INSTALLATION

- .1 Ensure supplementary anchorage, if required, is in place.
- .2 Do work in accordance with [CSA B651](#).

3.03 ERECTION

- .1 Partition erection:
 - .1 Install partitions secure, plumb and square.
 - .2 Leave 12 mm space between wall and panel or end pilaster.
 - .3 Anchor mounting brackets to masonry or concrete surfaces using screws and shields: to hollow walls using bolts and toggle type anchors.
 - .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.
 - .5 Provide for adjustment of floor variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel shoes.
 - .6 All accessories indicated as mounted to work of this section to be performed by installer of toilet partitions for purposes of warranty.
 - .7 Equip each door with hinges, latch set, and each stall with coat hook. Adjust and align hardware for proper function. Set door open position at 30 degrees to front. Install door bumper wall door mounted. Refer to Section 10 28 00
 - .8 Equip outswinging doors with door pulls on inside and outside of door [in accordance with [CSA B651](#)].
 - .9 Install hardware grab bars where indicated attached to toilet partitions.
- .3 Floor supported and overhead braced partition erection:
 - .1 Attach pilasters to floor with pilaster supports and level, plumb, and tighten installation with levelling device.
 - .2 Secure pilaster shoes in position.
 - .3 Secure headrail to pilaster face with not less than two fasteners per face.
 - .4 Set tops of doors parallel with overhead brace when doors are in closed position.

3.04 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 00 - Cleaning.
 - .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.

END OF SECTION

MECHANICAL ADDENDUM No. M02
APRIL 25, 2025

Part 1 Specifications

1.1 SECTION 21 07 00 THERMAL INSULATION

- .1 Paragraph 3.1.16 shall be revised to be read as:

Insulation thicknesses shall be in accordance with ASHRAE 90.1 minimum requirements as listed in the following table:

Nominal Pipe Diameter	Hot Water and Glycol heating Systems (mm) (see note 1, 5)	Domestic Hot Water (mm) (see note 2, 5)	Refrigerant (mm) (see note 3)	Chilled Water(mm) (see note 4)
Less than 25 mm	38	25	13	13
25 mm – less than 38 mm	38	25	25	13
38 mm – less than 100 mm	50	38	25	25
100 mm – less than 200mm	50	38	25	25
200 mm and greater	50	38	40	25

Note: 1. Conductivity Range is 0.25 - 0.29 Btu-in/h sq.ft. °F.
 2. Conductivity Range is 0.22 – 0.28 Btu-in/h sq.ft.°F
 3. Conductivity Range is 0.20 – 0.26 Btu-in/h sq.ft.°F
 4. Conductivity Range is 0.21 – 0.27 Btu-in/h sq.ft.°F
 5. For piping smaller than 32mm and located in partions witin conditioned spaces, reduction of these thicknesses by 25mm shall be permitted but not to thicknesses below 25mm.

- .2 Paragraph 3.3.4 shall be revised to be read as:

For all exposed plumbing pipes, insulation, finish with PVC Jacketing. Apply Jacketing and Pipefitting Covers in accordance with manufacturer's recommendations.

- .3 Paragraph 3.4 shall be revised to be read as:

3.4 HOT FLUID PIPING

.1 Cover domestic hot water piping, domestic tempered water piping, domestic water recirculation piping, hot water heating system piping and glycol heating system piping safety valve vent lines, (except safety valve vents from boilers), boilerfeed piping, exposed portions of surface and intermittent blowdown piping, boilerfeed and condensate bleed-off piping, with insulation in accordance with ASHRAE 90.1.

.2 Insulation shall be fibreglass insulation with factory applied fire resistive all service jacket, reinforced white kraft paper jacket bonded to aluminum foil vapour barrier with self-sealed lap. Hold insulation in place with flare type staples. ecover exposed pipe insulation in with PVC jacket.

.3 Cover fittings, valves, flanges and strainers with insulating cement of a thickness equal to that of the adjacent insulation, regardless of whether the adjacent pipe covering is recanvassed or not.

.4 Paragraph 3.5 shall be revised to be read as:

3.5 COLD FLUID PIPING

.1 Cover domestic cold water piping, sanitary and condensate drain piping, storm drain piping, (including roof hoppers and fittings), with 25mm (1") insulation.

.1 Vertical runs of sanitary, condensate and storm drain piping may be left uninsulated where installed in airtight pipe shafts without ducts, but only if not subject to freezing (not close to outside walls) and not subject to sweating due to free air motion.

.2 Insulation shall be with factory applied fire resistive fibreglass reinforced vapour barrier jacket and aluminum foil vapour barrier with self-sealed lap. Recover exposed pipe insulation in with PVC jacket.

.3 Domestic water piping, sanitary and condensate drains, storm drains, fire protection piping, wet sprinkler system piping, drum drips of dry sprinkler system, storm sump pump discharge piping, sanitary sump pump discharge piping, piping installed in the unheated garage and other unheated areas shall be electrically traced with 50mm (2") insulation, finished with aluminium jacket banded with aluminium bands. Co-operate with Section which will install electrical tracing wiring between the pipe and insulation. Cover all insulated electrically traced piping and equipment exposed to the outside, with weatherproof aluminum jacket

.4 Cover fittings and valves with a layer of glass fibre insulation with vapour barrier. Recover with insulating cement to insulation on adjacent piping and canvas neatly pasted on with adhesive regardless of whether the adjacent pipe covering is recanvassed or not.

END OF ADD-M02