

1. Submittals and Shop Drawings Required:

- 1.1. Product Technical Data Sheets for all materials, components and accessories.
- 1.2. Clearly identify option(s) including sizes and colours.
- 1.3. Drawings indicating location of installation.
- 1.4. Engineered drawings for Adult Change Table blocking and supports.
- 1.5. Intended coordination with other trades.
- 1.6. Sample minimum 150 x150mm.

2. Testing and Standards:

- 2.1. Use product appropriate to application.
- 2.2. Refer to QFADS barrier Free items and installations.
- 2.3. AODA, OBC, QFADS compliant.
- 2.4. Heavy commercial use.
- 2.5. Performance Testing Standards:
- 2.6. Static load: ASTM F2285-04 and EN 12221-1
- 2.7. Fire and Smoke Testing/Standards
 - 2.7.1. Class 1
- 2.8. Sustainability Standards:
 - 2.8.1. Green Seal or Eco Logo Certified dispensers
 - 2.8.2. LEED accredited.
- 2.9. Indoor Air Quality, Low emitting materials.:
 - 2.9.1. Must not contain Red List Chemicals, i.e. Added Urea or Phenol Formaldehyde, Heavy Metals, Ortho Phthalates, Fluorinated Chemicals (PFAS), Halogenated Flame Retardants, PVC's.
 - 2.9.2. ASTM E 2471-05 No added anti-microbial; EPA registered pesticides,
- 2.10. Minimum 5-year commercial warranty, Mirror silver 15 year

3. Fastener / Associated Components:

- 3.1. Blocking or anchors appropriate to substrate. Coordinate blocking locations with the products supplied by General Contractor trades included in project as well as those to be installed by Queen's University after occupancy.
- 3.2. Use blocking and fasteners / anchors recommended in manufacturers written instructions.

4. Washroom Accessories

- 4.1. Soap Dispenser:
 - 4.1.1. Supplied by Queen's University Operations
 - 4.1.2. Do not install on mirror.
 - 4.1.3. Install above sink / counter or counter.
- 4.2. Hand Sanitizer: Supplied by Queen's University Operations.
- 4.3. Paper Towel Dispenser: Supplied by Queen's University Operations.
- 4.4. Sanitary Product Dispenser: 304 stainless steel, profile depth less than 100mm.
- 4.5. Hand Dryer:
 - 4.5.1. Dyson, ASI or other approved prior to bidding question deadline.
 - 4.5.2. Back panel to protect painted surfaces. Stainless Steel.
 - 4.5.3. HEPA filter
 - 4.5.4. < 80db. Max.
 - 4.5.5. 12 second dry time
 - 4.5.6. 304 stainless steel.
- 4.6. Toilet Paper Dispenser: Supplied by Queen's University Operations.
- 4.7. Sanitary Disposal:
 - 4.7.1. 10-20 gauge+/-, 304 stainless steel, provide one package of bags per unit.
- 4.8. Paper Waste Disposal:
 - 4.8.1. 10-20 gauge+/-, 304 stainless steel, provide one package of bags per unit.
 - 4.8.2. Does not project beyond 100mm from face of wall.
- 4.9. Medical Waste Disposal: Supplied by Queen's University Operations.
- 4.10. Baby change Tables:
 - 4.10.1. 350lb capacity
 - 4.10.2. Compliant with QFADS, OBC and AODA.
 - 4.10.3. Blocking and anchored.
- 4.11. Adult Change Tables:
 - 4.11.1. Engineered blocking and supports associated.
 - 4.11.2. Compliant with QFADS, OBC and AODA.

- 4.12. Grab Bars:
 - 4.12.1. Peened 304 stainless steel.
 - 4.12.2. Reinforced.
 - 4.12.3. Anchored.
 - 4.12.4. Compliant with QFADS, OBC and AODA.
- 4.13. Robe Hooks:
 - 4.13.1. 304 stainless steel.
 - 4.13.2. No to project beyond 50mm or
 - 4.13.3. Be self-retracting
- 4.14. Folding shelf:
 - 4.14.1. 10-20 gauge, 304 Stainless steel
- 4.15. Fixed Shelf:
 - 4.15.1. Does not project beyond 100mm from face of wall unless mounted above counter or sink / counter.
 - 4.15.2. 10-20 gauge, 304 Stainless steel
 - 4.15.3. Installations within showers to be wire or sloped to drain.
- 4.16. Mirror:
 - 4.16.1. 304 Stainless steel or beveled edge,
 - 4.16.2. >5mm glass
 - 4.16.3. Scrim back safety coating,
 - 4.16.4. Barrier free installations 1000mm to glass AFF will not require tilted mirror.
 - 4.16.5. Adjustable tilt mirror only at barrier free lavatories where must be mounted with glass above 1000mm AFF.
- 4.17. Medicine Cabinet:
 - 4.17.1. Mirrored
 - 4.17.2. 304 Stainless steel or beveled edge,
 - 4.17.3. >5mm glass
 - 4.17.4. Scrim back safety coating,
 - 4.17.5. Two shelves
- 4.18. Towel bar / shelf: 10-20 gauge, 304 Stainless steel
- 4.19. Shower Curtain & Liner:
 - 4.19.1. Latex and PVC free.
 - 4.19.2. Button hole top
 - 4.19.3. Stainless steel continuous hooks,
 - 4.19.4. Custom length to suit installation.
- 4.20. Shower Curtain Rod: reinforced 10-20 gauge, 304 Stainless steel
- 4.21. Shower bench:
 - 4.21.1. Compliant with QFADS, OBC and AODA.
 - 4.21.2. Folding
 - 4.21.3. Phenolic or stainless steel.

- 4.22. Shower shelves: Recessed design.
- 4.23. Shower Head: Moen 5263EP15 with pressure balancing control valve.

5. Custodial Accessories

- 5.1. Shelf: 10-20 gauge 304 stainless steel
- 5.2. Hooks:
 - 5.2.1. 10-20 gauge 304 stainless steel
 - 5.2.2. No projections greater than 25mm
- 5.3. Racks:
 - 5.3.1. 10-20 gauge 304 stainless steel
 - 5.3.2. Ribbed rubber cam holders
 - 5.3.3. No projections greater than 90mm

6. Acceptable manufacturers / suppliers

- 6.1. Include but not limited to:
 - note manufacturers entire product line may not be appropriate or compliant.

6.1.1. American Standard	6.1.10. Grainger
6.1.2. ASI	6.1.11. Hadrian
6.1.3. Bobrick	6.1.12. Kohler
6.1.4. Bradley	6.1.13. Kreuger
6.1.5. Blum	6.1.14. Moen
6.1.6. Dyson	6.1.15. Richelieu
6.1.7. Frost	6.1.16. Tork
6.1.8. Global Industrial	6.1.17. Uline
6.1.9. GOJO Industries	6.1.18. Watrous

7. Installation

- 7.1. Become familiar with the building and any special or unusual conditions.
- 7.2. Identify demolition materials, substrate type and any designated substances within; Prepare and dispose of any designated substances with licensed environmental contractor prior to commencing work.
- 7.3. Site verify all, dimensions, components and conditions prior to submittals, shop drawings and procurement.
- 7.4. Work to be performed to manufacturers written instructions.
- 7.5. Use manufacturers recommended fasteners, accessories and associated components
- 7.6. Adhere to manufacturers product limitations.
- 7.7. Proceeding with work over unsatisfactory conditions indicates acceptance by trade and will be considered when remediation or warranty work arises.

END OF SECTION.