

10 00 00 Specialties**10 14 00 Signage:**

1. Graphics and wayfinding shall be made a part of the cash allowance and designed in consultation with Facilities, Campus Planning and Development, Graphic Design and the building user(s) in accordance with the Queen's University Signage Policy.
2. Building Signs shall conform to the specifications contained in Queen's University's Signage Policy.

Submittals and Shop Drawings Required:

1. Floor Plan and life safety plan.
2. Intended coordination with other trades.
3. Coordinate with signage package as required by contract.
4. Testing and Standards:
5. Use product appropriate to application.
6. Comply with Provincial and municipal building codes.
7. Comply with Federal, Provincial and Municipal Fire Codes.
8. Coordinate with signage standards as recognized by Ontario Building Code (OBC), Accessibility for Ontarians with Disabilities Act (AODA), Queen's University Signage Design Standards and Facility Accessibility Design Standards (QFADS).

10 14 16 Plaques:

1. Donor recognition plaques for memorial gifts of bench and tree shall follow University procedures for plaque design, procurement, installation, and maintenance.
2. The University's Graphic Design Services is responsible for preparing camera-ready artwork for the plaque and arranging for fabrication of the plaque in accordance with plaque design guidelines.
3. Facilities is responsible for bench installation, tree planting, plaque installation and maintenance of the gift and plaque.

10 22 00 Partitions:

1. Partition systems to be fully demountable, and reloadable, non-progressive, reconfigurable component-based partition system, from single manufacturer, where components can be assembled, disassembled, relocated, and reassembled in different layouts, with all parts reusables.
2. Design Criteria: Sound Transmission:
 - Rating of installed solid panel partitions to be a minimum STC 45 with insulation when tested to ASTM E90.
 - STC rating to be without scribing system to floor.
 - Insulate all partitions.
 - Maximum Class C/Type III fire rating when tested to CAN/ULC-S102.

Structural Performance:

1. Fabricated as a self-supporting, structurally stable and vibration free system when subject to impact load occurring as a result of normal usage.
2. Design demountable partition system and components to allow any furniture manufacturers upper storage units and work surfaces to be hung off and supported by moveable partition system in closed office.
3. Demountable partition system and components must be installed without any drilling or screwing into floors or gypsum board partitions.
4. Partition Thickness: 100 mm Minimum.
5. Must accommodate floor / ceiling height variations of 25mm (1").
6. Electrical and Communications:
 - Demountable Partition system to come with all electrical outlets, back boxes, conduit, and flex as required.
 - Demountable Partition electrical (and lighting switches) system to stub up into ceiling plenum no less than 100mm and provide whip for electrical connection to junction box (by others).
 - Demountable Partition system to come with chase for communication wiring if required (by others).
 - Demountable Partition system to be prepped to receive card readers, keypads and any other hardware if required (by others).

Materials

1. Pre-manufactured, component based, non-progressive wall system consisting of framing members, wall panels and glazing, floor, wall and ceiling mounting materials, acoustic filters, doors, and hardware; fully moveable and reusable in reconfigured layouts and spaces, and as follows:
 - Floor Tracks: Manufacturers standard continuous track with carpet grippers of non-slip pads; fabricated to meet project requirements; fill adjustment space with acoustic insulation.
 - Wood Composite Panels: factory finished NAUF.

10 28 10 Toilet, Bath, and laundry accessories**Submittals and Shop Drawings Required:**

1. Product Technical Data Sheets for all materials, components and accessories.
2. Clearly identify option(s) including sizes and colours.
3. Drawings indicating location of installation.
4. Engineered drawings for Adult Change Table blocking and supports.
5. Intended coordination with other trades.
6. Sample minimum 150 x150mm.

Testing and Standards:

1. Use product appropriate to application.
2. Refer to QFADS barrier Free items and installations.

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3. AODA, OBC, QFADS compliant.
4. Heavy commercial use.
5. Performance Testing Standards:
 - Static load: ASTM F2285-04 and EN 12221-1.
 - Fire and Smoke Testing/Standards.
 - Class 1
6. Sustainability Standards:
 - Green Seal or Eco Logo Certified dispensers
 - LEED accredited.
7. Indoor Air Quality, Low emitting materials:
 - 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.
 - ASTM E 2471-05 No added anti-microbial; EPA registered pesticides.
8. Minimum 5-year commercial warranty, Mirror silver 15 year.

Fastener / Associated Components:

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.
2. Use blocking and fasteners / anchors recommended in manufacturers written instructions.

Washroom Accessories:

1. Soap Dispenser:
 - Supplied by Queen's University Operations.
 - Do not install on mirror.
 - Install above sink / counter or counter.
2. Hand Sanitizer:
 - Supplied by Queen's University Operations.
3. Paper Towel Dispenser:
 - Supplied by Queen's University Operations.
4. Sanitary Product Dispenser:
 - 304 stainless steel, profile depth less than 100mm.
5. Hand Dryer:
 - Dyson, ASI or other approved prior to bidding question deadline.
 - Back panel to protect painted surfaces. Stainless Steel.
 - HEPA filter
 - < 80db. Max.
 - 12 second dry times.
 - 304 stainless steel.
6. Toilet Paper Dispenser:
 - Supplied by Queen's University Operations.
7. Sanitary Disposal:

- 10-20 gauge+/-, 304 stainless steel, provide one package of bags per unit.
8. Paper Waste Disposal:
- 10-20 gauge+/-, 304 stainless steel, provide one package of bags per unit.
 - Does not project beyond 100mm from face of wall.
9. Medical Waste Disposal:
- Supplied by Queen's University Operations.
10. Baby change Tables:
- We have standardized on using the Koala Kare baby change table models, as they offer both horizontal and vertical tables and provide finishes in either polypropylene or stainless-steel exterior finishes. Models KB300, KB301 and KB311 series for use.
 - The weight capacity is 200 lb for these tables.
 - Compliant with QFADS, OBC, and AODA. Blocking and anchored. [Baby Changing Stations - Koala Kare Products \(koalabear.com\)](http://koalabear.com)
11. Adult Change Tables:
- We have standardized on using the Pressalit 3000 Adult Change Table, a folding, electric-height adjustable table that is wall mounted. Maximum user weight is 441 lbs.
 - Engineered blocking and supports associated.
 - Electrical power requirements, as indicated.
12. Blocking and anchored. Here's an example of the table for additional information:
[Pressalit 3000Adult Changing Table – MAX-Ability, Inc.](http://MAX-Ability.com)
13. Grab Bars:
- Peened 304 stainless steel.
 - Reinforced.
 - Anchored.
 - Compliant with QFADS, OBC and AODA.
14. Robe Hooks:
- 304 stainless steel.
 - No to project beyond 50mm or be self-retracting.
15. Folding shelf:
- 10-20 gauge, 304 Stainless steel.
16. Fixed Shelf:
- Does not project beyond 100mm from face of wall unless mounted above counter or sink / counter.
 - 10-20 gauge, 304 Stainless steel.
 - Installations within showers to be wire or sloped to drain.
17. Mirror:
- 304 Stainless steel or beveled edge.
 - >5mm glass
 - Scrim back safety coating.
 - Barrier free installations 1000mm to glass AFF will not require tilted mirror.

- Adjustable tilt mirror only at barrier free lavatories where must be mounted with glass above 1000mm AFF.
18. Medicine Cabinet:
 - Mirrored
 - 304 Stainless steel or beveled edge.
 - >5mm glass
 - Scrim back safety coating.
 - Two shelves
 - Towel bar / shelf: 10-20 gauge, 304 Stainless steel.
 19. Shower Curtain & Liner:
 - Latex and PVC free.
 - Buttonhole top.
 - Stainless steel continuous hooks,
 - Custom length to suit installation.
 20. Shower Curtain Rod:
 - Reinforced 10-20 gauge, 304 Stainless steel.
 21. Shower bench:
 - Compliant with QFADS, OBC and AODA.
 - Folding
 - Phenolic or stainless steel.
 22. Shower shelves:
 - Recessed design.
 23. Shower Head:
 - Moen 5263EP15 with pressure balancing control valve.

Custodial Accessories:

1. Shelf:
 - 10-20 gauge 304 stainless steel.
2. Hooks:
 - 10-20 gauge 304 stainless steel.
 - No projections greater than 25mm.
3. Racks:
 - 10-20 gauge 304 stainless steel.
 - Ribbed rubber cam holders.
 - No projections greater than 90mm.
4. Acceptable manufacturers / suppliers Include but not limited to:

American Standard	Grainger
ASI	Hadrian
Bobrick	Kohler
Bradley	Kreuger
Bunzl	Moen
Dyson	Richelieu
Frost	Tork
Global Industrial	Uline
GOJO Industries	Watrous

Note: Manufacturers entire product line may not be appropriate or compliant.

Installation:

1. Become familiar with the building and any special or unusual conditions.
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.
3. Site verify all, dimensions, components and conditions prior to submittals, shop drawings, and procurement.
4. Work to be performed to manufacturers written instructions.
5. Use manufacturers recommended fasteners, accessories, and associated components.
6. Adhere to manufacturers product limitations.
7. Proceeding with work over unsatisfactory conditions indicates acceptance by trade and will be considered when remediation or warranty work arises.