

NO.	ROOM NAME	ACCESSORY	CODE	QTY	REMARKS	SUPPLY/ INSTALL
BASEMENT						
204	WR	HAND DRYER	HD	1		
		MIRROR	MIR	1		
		ROBE HOOK	RH	2		
		SOAP DISPENSER	SD	1		
		TOILET TISSUE DISPENSER	TT	1		
		WASTE RECEPTACLE	GAR	2		
205	MEN'S WR	BABY CHANGE TABLE	BC	1		
		GRAB BAR	GB1	1		
		GRAB BAR	GB2	1		
		HAND DRYER	HD	1		
		LOCKER BENCH	LB	1	1500mm LONG	
		MIRROR	MIR	2		
		ROBE HOOK	RH	6		
		SOAP DISPENSER	SD	2		
		TOILET TISSUE DISPENSER	TT	2		
		WASTE RECEPTACLE	GAR	2		
206	WOMEN'S WR	BABY CHANGE TABLE	BC	1		
		GRAB BAR	GB1	1		
		GRAB BAR	GB2	1		
		HAND DRYER	HD	1		
		LOCKER BENCH	LB	1	1500mm LONG	
		MIRROR	MIR	2		
		NAPKIN DISPENSER	ND	3		
		ROBE HOOK	RH	7		
		SOAP DISPENSER	SD	2		
		TOILET TISSUE DISPENSER	TT	3		
		WASTE RECEPTACLE	GAR	2		
207	JANITOR	PAPER TOWEL DISPENSER	PTD	1		

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 1
Fundy National Park		R.075853.001

PART 1 - GENERAL

1.1 Work Included

- .1 Toilet compartments.
- .2 Urinal Screens.

1.2 Related Sections

- .1 Wall backing required to secure mounting brackets.
- .2 Toilet room accessories.

1.3 References

- .1 National Fire Protection Association 101 Life Safety Code 2006 Edition. Chapters 10.
- .2 ANSI A117- 1988 Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- .3 International Building Code (IBC), 2006 Edition, Chapters 8, 11 and 12.
- .4 International Plumbing Code (IPC), 2006 Edition, Chapter 2, Section 10.
- .5 Title 24, California Code of Regulations. Parts 2, 3, and 5.
- .6 ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.
- .7 Fair Housing Amendments Act of 1988, Accessibility Guidelines, Federal Register Volume 56, Number 44.
- .8 American Society for Testing and Materials Standards.
 - .1 ASTM E84-01 Standard Test Method for Surface Burning Characteristics of Building Material.
 - .2 ASTM D279-93 (1999)e1 Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
 - .3 ASTM D2197-98 (2002) Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion.
 - .4 ASTM D6578-00 Standard Practice for Determination of Graffiti Resistance.

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 2
Fundy National Park		R.075853.001

1.4 Performance Requirements

- .1 Graffiti Resistance: Partition material shall have the following graffiti removal characteristics when tested in accordance with ASTM D6578-00 Standard Practice for Determination of Graffiti Resistance in accordance with Section 9, "Graffiti Removal Procedures Using Manual Solvent Rubs":
 - .1 Cleanability: Five (5) required staining agents shall be cleaned off material.
- .2 Scratch Resistance: Partition material shall have the following characteristics when tested in accordance with ASTM D2197-98 (2002) Standard Test Method for adhesion of Organic Coating by Scrape Adhesion, using Gardner Stock #PA-2197/ST pointed stylus attachment on scrape tester:
 - .1 Scratch Resistance: Maximum Load Value shall exceed 10 kilograms.
- .3 Impact Resistance: Partition material shall have the following characteristics when tested in accordance with ASTM D2794-93 (1999)e1 Standard Test Method for Resistance of Organic Coating to the Effects of Rapid Deformation (impact), using .625" hemispherical indenter with 2-lb impact weight:
 - .1 Impact Resistance: Maximum Impact Force value shall exceed 30 inch-lbs.
- .4 Fire Resistance: Partition material shall comply with the following requirements, when tested in accordance with ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials:
 - .1 Smoke developed Index: Not to exceed 450.
 - .2 Flame Spread Index: Not to exceed 75.
 - .3 Material Fire Ratings:
 - .1 National Fire Protection Association (NFPA): Class B.
 - .2 International Code Council (ICC): Class B.

1.5 Submittals

- .1 Comply with requirements of Section regarding submittals Section 01 33 00 - Submittal Procedures.
 - .2 Manufacturer's Data
 - .1 Provide required number copies of:
 - .1 Product data sheets.
 - .2 Installation instructions.
 - .3 Cleaning and maintenance instructions.
 - .4 Replacement parts information.
 - .3 Shop Drawings
 - .1 Provide required number of copies of all shop drawings.
-

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 3
Fundy National Park		R.075853.001

- .2 Show fabrication and erection of compartment assemblies, to extent not fully described by manufacturer's data sheets.
- .3 Show anchorage, accessory items and finishes.
- .4 Provide location drawings for bolt hole locations in supporting members for attachment of compartments.

.4 Samples

- .1 Furnish scale model of compartments, including stile, shoe, door, door hardware, divider panel, and mounting brackets.
- .2 Furnish sections showing stile anchoring and leveling devices, concealed threaded inserts, panel, stile, and edge construction.

1.6 Product Delivery, Storage and Handling

- .1 Deliver items in manufacturer's original unopened protective packaging.
- .2 Store materials in original protective packaging to prevent physical damage or wetting.
- .3 Handle so as to prevent damage to finished surfaces.

1.7 Warranty

- .1 Furnish ten-year limited warranty for panels, doors, and stiles against breakage, corrosion, delamination, and defects in factory workmanship.
- .2 Furnish two-year guarantee against defects in material and workmanship for stainless steel door hardware and mounting brackets.

PART 2 - PRODUCTS

2.1 Mounting Configurations

- .1 Toilet Partitions/Urinal Screen/dressing Compartments shall be:
 - .1 Overhead-Braced (1092.67 Sierra Series)
-

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 4
Fundy National Park		R.075853.001

2.2 Components/Materials

- .1 Stiles, Panels, Doors, and Screens
 - .1 Stiles, Panels, Doors, and Screens shall be all be manufactured from solid Colour Reinforced Composite material.
 - .2 Toilet Partition Material
 - .1 Toilet Partitions shall be constructed of Solid Colour Reinforced Composite material, which is composed of dyes, organic fibrous material, and polycarbonate/phenolic resins. Material shall have a non-ghosting, graffiti resistant surface integrally bonded to core through a series of manufacturing steps requiring thermal and mechanical pressure. Edges of material shall be the same colour as the surface.
 - .2 Colour selected by Consultant from manufacturer's standard colours.
 - .3 Toilet partitions constructed of High Density Polyethylene (HDPE) or High Density Polypropylene will not be acceptable.
 - .3 Finish Thickness
 - .1 Stiles ad doors shall be 19mm.
 - .2 Panels and benches shall be 13mm.
 - .4 Hardware
 - .1 All hardware to be 18-8. type-304 stainless steel with satin finish.
 - .2 Hardware of chrome-plated "Zamak", aluminum, or extruded plastic is unacceptable.
 - .5 Vandal-Resistant Latch (.67):
 - .1 Sliding door latch shall be 14-gauge (2mm) and shall slide on nylon track.
 - .2 Sliding door latch shall require less than 5-lb force to operate. twisting latch operation will not be acceptable.
 - .3 Latch track shall be attached to door by machine screws into factory installed threaded brass inserts.
 - .4 Threaded brass inserts shall be factory installed for door hinge and latch connections and shall withstand a direct pull exceeding 1,500 lbs. per insert.
 - .5 Through-bolted, stainless steel, pin-in-head Torx sex bolt fasteners shall be used as latch keeper-to-stile connections and shall withstand direct pull force exceeding 1,500 lbs. per fastener.
 - .6 Vandal-Resistant Hinges (.67):
 - .1 Hinge shall be 16-gauge (1.6mm) continuous piano-hinge.
 - .2 All doors shall be equipped with self-closing hinge.
 - .3 Continuous piano-hinge shall be attached to door and stile by theft-resistant, pin-in-head Torx stainless steel machine screws into factory installed, threaded brass inserts.
 - .4 Fasteners secured directly into the core are not acceptable.
-

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 5
Fundy National Park		R.075853.001

- .5 Door shall be furnished with two 11-gauge (3mm) stainless steel door stop plates with attached rubber bumpers to resist door from being kicked in/out from beyond stile.
- .6 Door stops and hinges shall be secured with stainless steel, pin-in-head Torx matching screws into threaded brass inserts.
- .7 Threaded brass inserts shall withstand a direct pull force exceeding 1,500 lbs per insert.
- .7 Clothes Hook:
 - .1 Clothes hook shall be constructed of stainless steel and shall project no more than 29mm from face of door.
 - .2 Clothes hook shall be secured to door by through-bolted, theft-resistant, pin-in-head Torx stainless steel screws. Through-bolted fasteners shall withstand a direct full force exceeding 1,500 lbs. per fastener.
- .8 Leveling Device shall be 7-gauge, 5mm hot rolled steel bar; chromate-treated and zinc-plated; through-bolted to base of solid colour reinforced composite stile.
- .9 Stile Shoe shall be one-piece, 4" high, type -304, 22 gauge (0.8mm) stainless steel with satin-finish. Top shall have 90° return to stile. Shoe will be composed of one-piece of stainless steel and capable of being fastened (by clip) to stiles starting at wall line.
- .10 Headrail (Overhead-Braced) shall be satin-finish, extruded anodized aluminum (1.65mm thick) with anti-grip profile.

2.3 Fabrication

- .1 Vandal-Resistant Hardware Option: for Institutional Hardware option add suffix .67 to 1092, 1096, 1098 Series.

PART 3 - EXECUTION

3.1 Inspection

- .1 Check areas scheduled to receive compartments for correct dimensions, plumbness of walls, and soundness of surfaces that would affect installation of mounting brackets.
 - .2 Verify spacing of plumbing fixtures to assure compatibility with installation of compartments.
 - .3 Do not begin installation of compartments until conditions are satisfactory.
-

West Gate Visitor	SOLID COLOUR REINFORCED	Section 10 17 00
Reception Centre	COMPOSITE TOILET PARTITIONS	Page 6
Fundy National Park		R.075853.001

3.2 Erection

- .1 Install compartments rigidly, straight, plumb, and level and in accordance with manufacturer's installation instructions.
- .2 Installation methods shall conform to manufacturer's recommendation for backing and proper support.
- .3 Conceal evidence of drilling, cutting, and fitting to room finish.
- .4 Maintain uniform clearance at vertical edge of doors.

3.3 Adjustment and Cleaning

- .1 Adjust hardware for proper operation after installation.
- .2 Set hinge cam on in-swinging doors to hold doors open when unlatched.
- .3 Set hinge cam on out-swinging doors to hold unlatched doors in closed position.
- .4 Clean exposed surfaces of compartments, hardware, and fittings.

PART 1 - GENERAL

1.1 REFERENCES

- .1 ASTM International
 - .1 ASTM B 456-11e1, Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
 - .2 ASTM A 653/A 653M-15e1, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .3 ASTM A 924/A 924M-16aE1, Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.88-92, Gloss Alkyd Enamel, Air Drying and Baking.
 - .3 CGSB 31-GP-107MA-90, Non-inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.
- .3 CSA International
 - .1 CAN/CSA-B651-04, Accessible Design for the Built Environment.
 - .2 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Product Data:
 - .1 Provide manufacturer's printed product literature and data sheets and include product characteristics, performance criteria, physical size, finish and limitations.
 - .3 Shop Drawings:
 - .1 Submit drawings stamped and signed by professional engineer registered or licensed in Province of New Brunswick Canada.
 - .2 Indicate size and description of components, base material, surface finish inside and out, hardware and locks, attachment devices, description of rough-in-frame, building-in details of anchors for grab bars .
-

1.3 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data for toilet and bath accessories for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- .1 Tools:
 - .1 Provide special tools required for assembly, disassembly or removal for toilet and bath accessories in accordance with requirements specified in Section 01 78 00 - Closeout Submittals.
 - .2 Deliver special tools to Departmental Representative.

1.5 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 off ground, indoors and in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect toilet and bathroom accessories from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
 - .4 Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, and packaging materials in accordance with Section 01 74 22 - Construction/Demolition Waste Management and Disposal.
-

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Sheet steel: to ASTM A 653/A 653M with ZF001 designation zinc coating.
- .2 Stainless steel sheet metal: to ASTM A 167, Type 304, with satin finish.
- .3 Sustainability Characteristics:
 - .1 Laminate Adhesives.
 - .1 Urea Formaldehyde Free.
- .4 Stainless steel tubing: Type 304, commercial grade, seamless welded, 1.2 mm wall thickness.
- .5 Fasteners: concealed screws and bolts hot dip galvanized, exposed fasteners to match face of unit. Expansion shields fibre, lead or rubber as recommended by accessory manufacturer for component and its intended use.

2.2 COMPONENTS

- .1 Toilet tissue dispenser (TT): Surface mounted twin jumbo-roll toilet tissue dispenser door and cabinet shall be type 304 stainless steel with satin finish. Door shall be 18 gauge; Cabinet shall be equipped with a tumbler lock keyed alike to other washroom accessories. Door shall have a wide viewing slot to reveal toilet tissue supply inside cabinet. Dispensing mechanism shall be constructed of high-impact ABS and shall accommodate two toilet tissue rolls up to 255mm diameter with 75mm diameter core; and be equipped with a sliding access panel that exposed one roll at a time. Spindles shall be convertible in the field to dispense 55mm diameter core rolls by removing outer spindles furnished in place.
 - .2 Paper towel dispenser (PTD): For single jumbo roll paper towels, stainless steel cabinet, hinged front panel, refill indicator slot, lock and key, surface mounted.
 - .3 Soap dispenser (SD): Surface mounted soap dispenser shall be type 304 stainless steel with satin-finish. Corrosion resistant valve shall dispense commercially marketed all-purpose hand soaps. To prevent corrosion of the tank, use only chloride-free PH-neutral liquid soaps. Valve shall be operable with one hand and with less than 5 lbs of force to comply with barrier-free accessibility guidelines. Containers shall be equipped with a clear acrylic refill-indicator window; a locked, hinged stainless steel lid for top filling; and shall have a capacity of 1.2L. Unit shall have concealed, vandal-resistant mounting.
-

- .4 Feminine napkin disposal bin (ND): Stainless steel, surface unit including rough-in frame, continuous hinged door, self closing, embossed with universally accepted symbol, removable stainless steel receptacles fitted with spring clip for deodorizer block.
- .5 Hand dryer (HD): Surface-mounted hand dryer shall have either 22-gauge galvanized steel with exposed surface type-304 stainless steel with #4 satin-finish vertical grain covers with UL 94-5VA black plastic trim. Slim profile cover shall project no more than 4" (100mm) from the finished face of wall to comply with accessible design guidelines. Unit shall be equipped with dual air outlets that provide a swirling circulation of airflow for (less than 25 seconds) hand dry. Motor shall be 1/7hp, universal type on resilient mounting with sealed ball bearing at drive-shaft end self-lubricating sleeve bearing at nondrive end; equipped with automatic thermal-overload switch. Heating elements shall be located on outlet side of fan, shall heat air without hot spots, be inaccessible to vandals, and protected by an automatic thermal-overload switch. Electronic sensor shall automatically turn dryer on when hands are held under air-outlet opening and across path of sensor. Dryer shall turn off automatically when hands are removed. Sensor shall automatically shut dryer off approximately 1-1/2 minutes after dryer turns on if an inanimate object is placed across air-outlet opening. After inanimate object is removed, electronic sensor shall automatically reset itself and dryer shall operate normally. Unit shall be cULus Listed, and/or VDE approved, CE marked. Unit shall comply with EU Directive "Restriction of Hazardous Substance" (ROHS) requirements for non-use of certain hazardous substances in the production of electronic products. Unit shall be protected by a limited 10-year warranty on all parts except motor brushes. Motor brushes shall be warranted for three years from date of purchase.
- .6 Mirror (MIR): Mirrors shall have a one piece type 430 stainless steel channel frame, with 90 degree mitered corners; all exposed surfaces shall have a satin polished finish. Select float glass mirror shall be guaranteed for 15 years against silver spoilage. The back shall be protected by full-size, shock absorbing, water-resistant, nonabrasive, polyethylene padding. Galvanized steel back shall have integral horizontal hanging brackets located at top and bottom for mounting on concealed wall hanger to prevent the mirror from pulling away from the wall. Locking devices secure mirror to concealed wall hanger. Mirror shall be removable from the wall.
- .7 Grab bars (GB): 38 mm diameter x 1.6 mm wall tubing of stainless steel, 76 mm diameter wall flanges, concealed screw attachment, flanges welded to tubular bar, provided with steel back plates and all accessories. Knurl bar at area of hand
-

- grips. Grab bar material and anchorage to withstand downward pull of 2.2 kN.
- .1 GB1: 914mm long;
 - .2 GB2: 610mm long.
- .8 Robe hook (RH): stainless steel with 75 mm projection.
- .9 Baby Change Station (BC): Baby changing station shall have 18-gauge satin stainless steel exterior finish with high-density polyethylene with Microban antimicrobial interior. Design of unit shall be surface-mounted. Unit shall be equipped with a pneumatic cylinder for controlled opening and closing of bed. Bed shall be secured to back plate with a concealed, full-length steel-on-steel hinge. Unit shall have Microban(tm) antimicrobial embedded into plastic material. No hinge structure shall be exposed on interior or exterior surfaces. Unit shall have 11-gauge steel mounting plates with mounting hardware included. Unit shall conform to ICC A117.1-2009 Accessible and Usable Buildings and Facilities, ASTM F 2285-04 Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use, ANSI Z535.4. Product Safety Signs and Labels, and ASTM G21 Antifungal Standards or local code if more stringent installation requirements are applicable for barrier free accessibility. Unit shall comply with ADA regulations when properly installed. Bed shall have smooth concave changing area with a nylon safety strap and two hooks for bags or purses. Unit shall have a built-in Liner Dispense for use with 3-ply chemical free biodegradable sanitary liners, universal instruction graphics and safety messages in 6 languages. Unit shall be backed by manufacturer's 5-year limited warranty on materials and workmanship and include a provision for replacement caused by vandalism.
- .10 Locker Bench (LB): locker bench seats are hardwood laminate with a clear lacquer finish and the bench corners and edges are rounded. The aluminum bench pedestals to be free standing and powder coated. Color to be chosen from manufacturer's complete range. Benches to be 1500mm x 305mm x 457mm.

2.3 FABRICATION

- .1 Weld and grind joints of fabricated components flush and smooth. Use mechanical fasteners only where approved.
- .2 Wherever possible form exposed surfaces from one sheet of stock, free of joints.
- .3 Brake form sheet metal work with 1.5 mm radius bends.

- .4 Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.
- .5 Back paint components where contact is made with building finishes to prevent electrolysis.
- .6 Hot dip galvanize concealed ferrous metal anchors and fastening devices to CAN/CSA-G164.
- .7 Shop assemble components and package complete with anchors and fittings.
- .8 Deliver inserts and rough-in frames to job site at appropriate time for building-in. Provide templates, details and instructions for building in anchors and inserts.
- .9 Provide steel anchor plates and components for installation on studding and building framing.

2.4 FINISHES

- .1 Chrome and nickel plating: to ASTM B 456, satin finish.
- .2 Baked enamel: condition metal by applying one coat of metal conditioner to CGSB 31-GP-107Ma, apply one coat Type 2 primer to CAN/CGSB-1.81 and bake, apply two coats Type 2 enamel to CAN/CGSB-1.88 and bake to hard, durable finish. Sand between final coats. Colour selected from standard range by Consultant.
- .3 Manufacturer's or brand names on face of units not acceptable.

PART 3 - EXECUTION

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrates and surfaces to receive toilet and bathroom accessories previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's instructions prior to toilet and bathroom accessories installation.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval from Departmental Representative.
-

3.2 INSTALLATION

- .1 Install and secure accessories rigidly in place as follows:
 - .1 Stud walls: install steel back-plate to stud prior to plaster or drywall finish. Provide plate with threaded studs or plugs.
 - .2 Hollow masonry units, existing plaster or drywall: use toggle bolts drilled into cell or wall cavity.
 - .3 Solid masonry, marble, stone or concrete: use bolt with lead expansion sleeve set into drilled hole.
 - .4 Toilet and shower compartments: use male to female through bolts.
- .2 Install grab bars on built-in anchors provided by bar manufacturer.
- .3 Use tamper proof screws/bolts for fasteners.
- .4 Fill units with necessary supplies shortly before final acceptance of building.
- .5 Install mirrors in accordance with Section 08 80 50 - Glazing.

3.3 ADJUSTING

- .1 Adjust toilet and bathroom accessories components and systems for correct function and operation in accordance with manufacturer's written instructions.
- .2 Lubricate moving parts to operate smoothly and fit accurately.

3.4 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - 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 11 - Cleaning.
 - .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 22 - Construction/Demolition Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.
-

3.5 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by toilet and bathroom accessories installation.

3.6 SCHEDULE

- .1 Locate accessories where indicated. Exact locations determined by Departmental Representative.

West Gate Visitor	FIRE EXTINGUISHERS AND	Sect 10 44 16.19
Reception Centre	SAFETY BLANKETS	Page 1
Fundy National Park		R.075853.001

PART 1 - GENERAL

1.1 REFERENCES

- .1 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .2 National Fire Protection Association (NFPA)
 - .1 NFPA 10-2006, Standard for Portable Fire Extinguishers.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit two copies WHMIS MSDS - Material Safety Data Sheets in accordance with Section 02 81 01 - Hazardous Materials.
- .3 Provide shop drawings.
- .4 Closeout Submittals:
 - .1 Provide operation and maintenance data for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.3 DELIVERY, STORAGE AND HANDLING

- .1 Packing, shipping, handling and unloading:
 - .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
 - .2 Waste Management and Disposal:
 - .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 22 - Construction/Demolition Waste Management and Disposal.
-

West Gate Visitor	FIRE EXTINGUISHERS AND	Sect 10 44 16.19
Reception Centre	SAFETY BLANKETS	Page 2
Fundy National Park		R.075853.001

PART 2 - PRODUCTS

2.1 MULTI-PURPOSE DRY CHEMICAL EXTINGUISHERS

- .1 Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for A, B and C class protection.
 - .1 Size 2.25 kg or as indicated.

2.2 EXTINGUISHER BRACKETS

- .1 Type recommended by extinguisher manufacturer.

2.3 CABINETS

- .1 Semi-recessed type as indicated, constructed of 1.6 mm thick steel, 180 degrees opening door of 2.5 mm thick steel with latching device.
- .2 Cabinet to maintain fire resistive rating of construction in which they occur.
- .3 Cabinet door: with 5 mm full glass panel.
- .4 Finish:
 - .1 Tub: prime coated.
 - .2 Door and frame: No.4 satin finish stainless steel.

2.4 IDENTIFICATION

- .1 Identify extinguishers in accordance with recommendations of ANSI/NFPA 10 CAN/ULC-S508.

PART 3 - EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.

West Gate Visitor	FIRE EXTINGUISHERS AND	Sect 10 44 16.19
Reception Centre	SAFETY BLANKETS	Page 3
Fundy National Park		R.075853.001

3.2 INSTALLATION

- .1 Install or mount extinguishers in cabinets or on brackets as indicated and in accordance with NFPA 10.