

Specifications and drawings for

Daniel J. MacDonald Modernization

are amended as follows:

SPECIFICATIONS

1.1 **REVISED SPECIFICATIONS**

.1 The following revised specifications issued with this addendum supersede previously issued specifications of the same title and number

.1 Section No. 00 01 10_R6, Table of Contents

.2 Section No. 01 61 10_R3, List of Materials

.3 Section No. 03 01 37_R1, Concrete Restoration

End of NORR Addendum No. 6

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
VOLUME 1 OF 3				
	Specifications Cover Page	A	27 May 2022	1
	00 01 07 Seals Page	A	27 May 2022	1
	00 01 10_R56 Table of Contents	A	25-26 Jul 2022	16
	00 01 15_R1 List of Drawings	A	28 Jun 2022	7
DIVISION 01	GENERAL REQUIREMENTS			
	01 14 00 – Work Restrictions	A	27 May 2022	2
	01 29 83 Payment Procedures - Testing Laboratory Services	A	27 May 2022	2
	01 31 19 – Project Meetings	A	27 May 2022	3
	01 32 16.16 Construction Progress schedule - Critical Path Method (CPM)	A	27 May 2022	11
	01 33 00 - Submittal Procedures	A	27 May 2022	7
	01 35 01 Delegated Design	A	27 May 2022	4
	01 35 24 - Special Procedures on Fire Safety Requirements	HS	27 May 2022	5
	01 35 25 - Special Procedures on Lockout Requirements	HS	27 May 2022	4
	01 35 29 - Health and Safety Requirements	HS	27 May 2022	9
	01 35 54 – Site Security Requirements	A	27 May 2022	2
	01 41 00 Regulatory Requirements	A	27 May 2022	2
	01 45 00 Quality Control	A	27 May 2022	3
	01 47 15 Sustainable Requirements: Construction	SC	27 May 2022	6
	01 51 00 Temporary Utilities	A	27 May 2022	3
	01 52 00 Construction Facilities	A	27 May 2022	6
	01 56 00 Temporary Barriers and Enclosures	A	27 May 2022	3
	01 57 16 Indoor Air Quality (IAQ) Management: Construction	SC	27 May 2022	7
	01 61 00 Common Product Requirements	A	27 May 2022	6

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	01 61 10_R23 List of Materials	A	25-26 Jul 2022	53
	01 71 00 Examination and Preparation	A	27 May 2022	3
	01 73 00 Execution	A	27 May 2022	2
	01 74 00 Cleaning	A	27 May 2022	3
	01 74 19 Construction Waste Management and Disposal	SC	27 May 2022	12
	01 77 00 Closeout Procedures	A	27 May 2022	2
	01 78 00 Closeout Submittals	A	27 May 2022	6
	01 79 00.13 Demonstration and Training for Building Commissioning	Cx	27 May 2022	12
	01 91 13 General Commissioning Requirements	Cx	27 May 2022	15
	01 91 13.16 Commissioning Forms	Cx	27 May 2022	13
DIVISION 02	EXISTING CONDITIONS			
	02 41 19.13 - Selective Building Demolition	S	27 May 2022	11
	02 41 19.16 - Selective Interior Demolition	A	27 May 2022	10
	02 66 00 – Fuel Storage System Removal	Env	27 May 2022	6
	PSPC Storage Tank Withdrawal and Removal Form	Env	2019	4
	02 82 00.01 - Asbestos Abatement – Minimum Precautions	Env	20 Sep 2021	7
	02 82 00.02 – Asbestos Abatement – Intermediate Precautions	Env	20 Sep 2021	8
	02 85 10.01 Bird Excrement Abatement	Env	27 May 2022	4
DIVISION 03	CONCRETE			
	03 01 37_R1 - Concrete Restoration	S	27 May 26 Jul 2022	910
	03 10 00 – Concrete Forming and Accessories	S	27 May 2022	5
	03 20 00 – Concrete Reinforcing	S	27 May 2022	5
	03 30 00 – Cast-in-place Concrete	S	27 May 2022	10

25-26 Jul 2022

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	03 35 00 – Concrete Finishing	A	27 May 2022	5
	03 53 10 - Polished Concrete Topping	A	27 May 2022	13
	03 54 16_R1 – Self Levelling Floor Underlayment	A	29 Jun 2022	
DIVISION 04	MASONRY			
	04 03 07 - Masonry Repointing	A	27 May 2022	5
	04 05 00 – Common Work Results for Masonry	A	27 May 2022	8
	04 05 13 – Masonry Mortaring and Grouting	A	27 May 2022	7
	04 05 19 – Masonry Anchorage and Reinforcing	A	27 May 2022	7
	04 05 23 – Masonry Accessories	A	27 May 2022	5
	04 21 13 - Brick Masonry	A	27 May 2022	5
	04 22 00 – Concrete Unit Masonry	A	27 May 2022	7
DIVISION 05	METALS			
	05 12 10 – Structural Steel Insulated Connections	S	27 May 2022	7
	05 12 23 Structural Steel for Buildings	S	27 May 2022	7
	05 12 25 - Elastomeric Bearing Pads	S	27 May 2022	3
	05 12 48 Coatings for Architecturally Exposed Structural Steel	A	27 May 2022	10
	05 12 48_01 AESS Category Table	A		2
	05 31 00 Steel Decking	S	27 May 2022	5
	05 41 00 Structural Metal Stud Framing	A	27 May 2022	7
	05 50 00 Metal Fabrications	A	27 May 2022	17
	05 51 00 Metal Stairs and Ladders	A	27 May 2022	4
	05 75 10 Decorative Zinc Panels	A	27 May 2022	8
DIVISION 06	WOOD, PLASTICS, AND COMPOSITES			
	06 05 73 Wood Treatment	A	27 May 2022	5
	06 10 53 Miscellaneous Rough Carpentry	A	27 May 2022	6

25-26 Jul 2022

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	06 20 00 Finish Carpentry	A	27 May 2022	10
	06 40 00_R2 Architectural Woodwork	A	25 Jul 2022	12
	06 61 16 Solid Surfacing Fabrications	A	27 May 2022	4
DIVISION 07	THERMAL AND MOISTURE PROTECTION			
	07 01 57 Existing Roofing Modifications	A	27 May 2022	6
	07 14 16.11 Liquid Applied Waterproofing	A	27 May 2022	6
	07 16 16 Crystalline Waterproofing	A	27 May 2022	4
	07 19 00 Water Repellents	A	27 May 2022	4
	07 21 13 Board Insulation	A	27 May 2022	6
	07 21 16 Blanket Insulation	A	27 May 2022	4
	07 26 17 Below-Grade Vapour Retarder	A	27 May 2022	5
	07 27 00.01 Air Barriers - Descriptive or Proprietary	A	27 May 2022	6
	07 27 29 Sprayed Insulation – Polyurethane Foam	A	27 May 2022	8
	07 42 10 Aluminum Panel Cladding System	A	27 May 2022	13
	07 55 52 Modified Bituminous Membrane Roofing	A	27 May 2022	16
	07 62 00 Sheet Metal Flashing and Trim	A	27 May 2022	6
	07 72 73 Membrane Leak Detection Systems	A	27 May 2022	5
	07 81 00 Applied Fireproofing	A	27 May 2022	5
	07 84 00 Fire Stopping	A	27 May 2022	18
	07 92 00 Joint Sealants	A	27 May 2022	9
DIVISION 08	OPENINGS			
	08 11 00 Metal Doors and Frames	A	27 May 2022	8
	08 11 17 Fire-Rated Aluminum Full Vision Doors and Frames	A	27 May 2022	5
	08 14 16 Flush Wood Doors	A	27 May 2022	7

25-26 Jul 2022

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	08 33 23 Overhead Coiling Doors	A	27 May 2022	7
	08 34 73 Sound Control Door Assemblies	A	27 May 2022	9
	08 42 33 Revolving Doors	A	27 May 2022	12
	08 44 13 Glazed Aluminum Curtain Walls	A	27 May 2022	38
	08 71 00 Door Hardware	A	27 May 2022	9
	08 71 10 Door Hardware Schedule	H	27 May 2022	92
	08 80 00 Glazing	A	27 May 2022	11
	08 80 15 Glass Balustrades	A	27 May 2022	6
DIVISION 09	FINISHES			
	09 21 16 Gypsum Board Assemblies	A	27 May 2022	15
	09 22 16 Non-structural Metal Framing	A	27 May 2022	5
	09 25 13 Direct Applied Finish	A	27 May 2022	7
	09 30 13 Ceramic Tiling	A	27 May 2022	14
	09 51 13 Acoustical Panel Ceilings	A	27 May 2022	6
	09 51 27 Wood Grille Ceilings	A	27 May 2022	6
	09 65 00.08 Resilient Flooring For Minor Works	A	27 May 2022	11
	09 67 15 Epoxy Floor Coating	A	27 May 2022	9
	09 68 13 Tile Carpeting	A	27 May 2022	10
	09 72 17 Digitally Printed Vinyl Wallcovering Murals	A	27 May 2022	5
	09 80 00 Acoustic Treatment	A	27 May 2022	5
	09 91 13 Exterior Painting	A	27 May 2022	12
	09 91 23 Interior Painting	A	27 May 2022	16
	09 96 00 High Performance Coatings	A	27 May 2022	6
DIVISION 10	SPECIALTIES			
	10 00 00_R1 Manufactured Specialties	A	18 Jul 2022	6
	10 14 00 Signage	A	27 May 2022	7
	10 21 13.19 Plastic Toilet Compartments	A	27 May 2022	6
	10 22 13 Wire Mesh Partitions	A	27 May 2022	5

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	10 22 39 Folding Panel Partitions	A	27 May 2022	5
	10 23 26_R1 Glass Partition System	A	18 Jul 2022	6
	10 26 41 Ballistic Resistant Fiberglass Composite Panels	A	27 May 2022	3
	10 28 10 Toilet and Bath Accessories	A	27 May 2022	5
	10 44 00 Fire Protection Specialties	M	27 May 2022	2
	10 51 13 Metal Lockers	A	27 May 2022	5
	10 90 00 Tactile Warning Surfacing	A	27 May 2022	3
DIVISION 11	EQUIPMENT			
	11 12 00 Parking Control Equipment	A	27 May 2022	5
	11 14 14 Optical Turnstiles	A	27 May 2022	5
	11 52 00 AV General Conditions	AV	27 May 2022	21
	11 52 01 Audio Visual Systems	AV	27 May 2022	26
	11 81 29 Facility Fall Protection	A	27 May 2022	6
DIVISION 12	FURNISHINGS			
	12 05 10 Upholstery Fabric	A	27 May 2022	3
	12 24 13 Motorized Roller Window Shades	A	27 May 2022	5
	12 24 14 Manual Window Shades	A	27 May 2022	4
	12 48 16 Entrance Floor Grilles	A	27 May 2022	4
VOLUME 2 OF 3				
DIVISION 21	FIRE SUPPRESSION			
	21 05 00 Common Work Results for Fire Suppression	M	27 May 2022	13
	21 12 00 – Fire-Suppression Standpipes and Hose Assemblies	M	27 May 2022	7
	21 13 13 Wet Pipe Sprinkler Systems	M	27 May 2022	13
	21 13 16 Dry Pipe Sprinkler Systems	M	27 May 2022	7
	21 30 00 Fire Pumps	M	27 May 2022	7

~~25~~-26 Jul 2022

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
DIVISION 22	PLUMBING			
	22 05 00_R1 Common Work Results for Plumbing	M	25 Jul 2022	11
	22 05 05 Selective Demolition for Plumbing	M	27 May 2022	4
	22 05 15 Plumbing Specialties and Accessories	M	27 May 2022	12
	22 10 10 Plumbing Pumps	M	27 May 2022	7
	22 11 16 Domestic Water Piping	M	27 May 2022	8
	22 13 16.13 Sanitary Waste and Vent Piping - Cast Iron and Copper	M	27 May 2022	6
	22 13 16.16 – Sanitary Waste and Vent Piping – Plastic	M	27 May 2022	5
	22 33 00 Electrical Domestic Water Heaters	M	27 May 2022	3
	22 42 13 Commercial Water Closets, Urinals, and Bidets	M	27 May 2022	6
	22 42 16 Commercial Lavatories and Sinks	M	27 May 2022	7
	22 42 19 Commercial Bathtubs and Showers	M	27 May 2022	6
	22 47 00 Drinking Fountains and Water Coolers	M	27 May 2022	4
DIVISION 23	HEATING, VENTILATING, AIR CONDITIONING (HVAC)			
	23 01 05 Operation and Maintenance of HVAC Systems During Construction	M	27 May 2022	2
	23 05 00 Common Work Results for HVAC	M	27 May 2022	17
	23 05 05 Selective Demolition for Heating, Ventilating, and Air Conditioning (HVAC)	M	27 May 2022	4
	23 05 13 Common Motor Requirements for HVAC Equipment	M	27 May 2022	7
	23 05 14 Variable Frequency Drives	M	27 May 2022	9
	23 05 15 Common Installation Requirements for HVAC Pipework	M	27 May 2022	6

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	23 05 16 Expansion Fittings and Loops for HVAC Piping	M	27 May 2022	6
	23 05 17 Pipe Welding	M	27 May 2022	4
	23 05 19 Meters and Gauges for HVAC Piping	M	27 May 2022	7
	23 05 19.13 Thermometers and Pressure Gauges – Piping Systems	M	27 May 2022	7
	23 05 23.01 Valves - Bronze	M	27 May 2022	8
	23 05 23.02 Valves - Cast Iron	M	27 May 2022	9
	23 05 23.03 Valves - Cast Steel	M	27 May 2022	8
	23 05 23.05 Butterfly Valves	M	27 May 2022	5
	23 05 29 Hangers and Supports for HVAC Piping and Equipment	M	27 May 2022	21
	23 05 33 Heat Tracing for HVAC Piping	M	27 May 2022	4
	23 05 48 Vibration and Seismic Controls for HVAC	M	27 May 2022	9
	23 05 53 Identification for HVAC Piping and Equipment	M	27 May 2022	7
	23 05 91 Geothermal Systems	M	27 May 2022	8
	23 05 93 Testing - Adjusting and Balancing for HVAC	M	27 May 2022	8
	23 05 94 Pressure Testing of Ducted Air Systems	M	27 May 2022	4
	23 07 13 Duct Insulation	M	27 May 2022	6
	23 07 16 HVAC Equipment Insulation	M	27 May 2022	10
	23 07 19_R1 HVAC Piping Insulation	M	08 Jul 2022	10
	23 08 13 Performance Verification HVAC Systems	M	27 May 2022	4
	23 08 16 Cleaning and Start-Up of HVAC Piping Systems	M	27 May 2022	4
	23 09 33 Electric and Electronic Control System for HVAC	M	27 May 2022	3
	23 21 13.01 Hydronic Systems: Copper	M	27 May 2022	7
	23 21 13.02 Hydronic Systems: Steel	M	27 May 2022	7
	23 21 13.03 Press Joint Piping Systems Hydronic Systems	M	27 May 2022	5

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	23 21 16 Hydronic Piping Specialties	M	27 May 2022	6
	23 21 23 Hydronic Pumps	M	27 May 2022	6
	23 25 00 HVAC Water Treatment	M	27 May 2022	6
	23 31 13.01 Metal Ducts - Low Pressure To 500 Pa	M	27 May 2022	11
	23 31 13.02 Metal Ducts - High Pressure To 2500 Pa	M	27 May 2022	9
	23 33 00 Air Duct Accessories	M	27 May 2022	5
	23 33 14 Dampers - Balancing	M	27 May 2022	4
	23 33 15 Dampers - Operating	M	27 May 2022	3
	23 33 16 Dampers - Fire and Smoke	M	27 May 2022	7
	23 33 46 Flexible Ducts	M	27 May 2022	5
	23 33 53 Duct Liners	M	27 May 2022	6
	23 34 00 HVAC Fans	M	27 May 2022	7
	23 34 13 Ceiling Mounted High Volume Low Speed Circulation Fans	M	27 May 2022	7
	23 34 23.13 Roof and Wall Exhausters	M	27 May 2022	4
	23 36 00_R1 Air Terminal Units	M	29 Jun 2022	12
	23 37 13 Diffusers, Registers and Grilles	M	27 May 2022	5
	23 37 20 Louvres, Intakes and Vents	M	27 May 2022	3
	23 40 00 HVAC Cleaning Devices	M	27 May 2022	5
	23 52 00 Heating Boilers	M	27 May 2022	6
	23 57 00 Heat Exchangers for HVAC	M	27 May 2022	5
	23 64 22 Heat Recovery Water Chillers	M	27 May 2022	7
	23 72 00 Air-To-Air Energy Recovery Equipment	M	27 May 2022	8
	23 73 10 Dry Coolers	M	27 May 2022	6
	23 81 40 Water Source Unitary Heat Pumps	M	27 May 2022	6
	23 82 19 Fan Coil Units	M	27 May 2022	4
	23 82 36 Finned Tube Radiation Heaters	M	27 May 2022	6
	23 82 39 Unit Heaters	M	27 May 2022	4
	23 84 13 Humidifiers	M	27 May 2022	6

25-26 Jul 2022

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
DIVISION 25	INTEGRATED AUTOMATION			
	25 01 11 EMCS: Start-up, Verification and Commissioning	M	27 May 2022	7
	25 01 12 EMCS: Training	M	27 May 2022	3
	25 05 01 EMCS: General Requirements	M	27 May 2022	8
	25 05 02_R1 EMCS: Submittals and Review Process	M	18 Jul 2022	4
	25 05 03 – EMCS: Project Record Documents	M	27 May 2022	3
	25 05 54 EMCS: Identification	M	27 May 2022	2
	25 05 60 EMCS: Field Installation	M	27 May 2022	10
	25 08 20 EMCS: Warranty and Maintenance	M	27 May 2022	4
	25 10 01 EMCS: Local Area Network (LAN)	M	27 May 2022	2
	25 10 02 EMCS: Operator Work Station (OWS)	M	27 May 2022	11
	25 30 01 EMCS: Building Controllers	M	27 May 2022	10
	25 30 02_R1 EMCS: Field Control Devices	M	25 Jul 2022	17
	25 90 01 EMCS: Site Requirements, Applications And Systems Sequences Of Operation	M	27 May 2022	3
	25 90 01_CS401 Domestic Cold Water System	M	27 May 2022	1
	25 90 01_CS401 Domestic Cold Water System – Control Points List	M	27 May 2022	1
	25 90 01_CS402_R1 Domestic Hot Water System	M	08 Jul 2022	1
	25 90 01_CS402_R2 Domestic Hot Water System – Control Points List	M	25 Jul 2022	1
	25 90 01_CS411 Sanitary, Storm and Elevator Sump Pumps	M	27 May 2022	1
	25 90 01_CS411 Sanitary, Storm and Elevator Sump Pumps – Control Points List	M	27 May 2022	1
	25 90 01_CS601 Heat Recovery Chillers	M	27 May 2022	3
	25 90 01_CS601_R2 Heat Recovery Chillers – Control Points List	M	25 Jul 2022	1

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	25 90 01_CS611 Chilled Water Distribution System	M	27 May 2022	2
	25 90 01_CS611_R1 Chilled Water Distribution System – Control Points List	M	29 Jun 2022	1
	25 90 01_CS621 Heating Water Distribution System	M	27 May 2022	2
	25 90 01_CS621_R2 Heating Water Distribution System – Control Points List	M	25 Jul 2022	1
	25 90 01_CS701 Make-Up Air Dedicated Outdoor Air System with Energy Recovery	M	27 May 2022	3
	25 90 01_CS701_R2 Make-Up Air Dedicated Outdoor Air System with Energy Recovery System – Control Points List	M	25 Jul 2022	1
	25 90 01_CS722 Unit Heaters Hydronic	M	27 May 2022	1
	25 90 01_CS722_R1 Unit Heaters Hydronic – Control Points List	M	25 Jul 2022	1
	25 90 01_CS731 Wallfin Convectors Hydronic	M	27 May 2022	1
	25 90 01_CS731_R1 Wallfin Convectors Hydronic – Control Points List	M	29 Jun 2022	1
	25 90 01_CS732 Forced Flow Heaters Hydronic	M	27 May 2022	1
	25 90 01_CS732_R2 Forced Flow Heaters Hydronic – Control Points List	M	25 Jul 2022	1
	25 90 01_CS737 Fan Coil Units	M	27 May 2022	1
	25 90 01_CS737_R2 Fan Coil Units – Control Points List	M	25 Jul 2022	1
	25 90 01_CS801 Washroom Exhaust	M	27 May 2022	1
	25 90 01_CS801_R1 Washroom Exhaust – Control Points List	M	25 Jul 2022	1
	25 90 01_CS805 Elevator Room Ventilation	M	27 May 2022	1
	25 90 01_CS805_R1 Elevator Room Ventilation – Control Points List	M	25 Jul 2022	1
	25 90 01_CS809 Parking Garage Ventilation	M	27 May 2022	1
	25 90 01_CS809_R2 Parking Garage Ventilation – Control Points List	M	25 Jul 2022	1

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	25 90 01_CS810 Mechanical Room Ventilation	M	27 May 2022	2
	25 90 01_CS810_R2 Mechanical Room Ventilation – Control Points List	M	25 Jul 2022	1
	25 90 01_CS812 Destratification Fans System	M	27 May 2022	1
	25 90 01_CS812 Destratification Fans System – Control Points List	M	27 May 2022	1
	25 90 01_CS821_R1 Fan Powered VAV Dedicated Outdoor Air System	M	25 Jul 2022	2
	25 90 01_CS821_R2 Fan Powered VAV Dedicated Outdoor Air System – Control Points List	M	25 Jul 2022	1
	25 90 01_CS824 Demand Control Ventilation VAV with Active Chilled Beams	M	27 May 2022	2
	25 90 01_CS824_R1 Demand Control Ventilation VAV with Active Chilled Beams – Control Points List	M	29 Jun 2022	1
	25 90 01_CS825 Demand Control Ventilation VAV with Fan Coil Units	M	27 May 2022	2
	25 90 01_CS825_R1 Demand Control Ventilation VAV with Fan Coil Units– Control Points List	M	29 Jun 2022	1
	25 90 01_CS831 Humidification System	M	27 May 2022	1
	25 90 01_CS831_R1 Humidification System – Control Points List	M	29 Jun 2022	1
	25 90 01_CS832 Glycol Make-up System	M	27 May 2022	1
	25 90 01_CS832 Glycol Make-up System – Control Points List	M	27 May 2022	1
	25 90 01_CS901 Geothermal Field Management System	M	27 May 2022	2
	25 90 01_CS901 Geothermal Field Management System – Control Points List	M	27 May 2022	1
	25 90 01_CS910 Miscellaneous Equipment	M	08 Jul 2022	1
	25 90 01_CS910 Miscellaneous Equipment – Control Points List	M	08 Jul 2022	1
	25 90 01_CS912 Lighting System	M	08 Jul 2022	1

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	25 90 01_CS912 Lighting System – Control Points List	M	08 Jul 2022	1
DIVISION 26	ELECTRICAL			
	26 05 00 Common Work Results for Electrical	E	27 May 2022	12
	26 05 04 Existing Building – Modifications	E	27 May 2022	3
	26 05 05_R1 Selective Demolition for Electrical	E	18 Jul 2022	5
	26 05 20 Wire and Box Connectors (0-1000 V)	E	27 May 2022	2
	26 05 21 Wires and Cables (0-1000 V)	E	27 May 2022	5
	26 05 22 Connectors and Terminations	E	27 May 2022	2
	26 05 28 Grounding – Secondary	E	27 May 2022	4
	26 05 29 Hangers and Supports for Electrical Systems	E	27 May 2022	2
	26 05 31 Splitters, Junction, Pull Boxes and Cabinets	E	27 May 2022	2
	26 05 32 Outlet Boxes, Conduit Boxes and Fittings	E	27 May 2022	2
	26 05 34_R1 Conduits, Conduit Fastenings and Conduit Fittings	E	25 Jul 2022	4
	26 05 36 Cable Trays for Electrical Systems	E	27 May 2022	2
	26 05 37 Wireways and Auxiliary Gutters	E	27 May 2022	2
	26 05 48 Vibration and Seismic Controls	E	27 May 2022	6
	26 08 02 Field Testing and Commissioning – Low Voltage Installations	E	27 May 2022	7
	26 09 13 Power Monitoring	E	08 Jul 2022	7
	26 09 43 Network Lighting Controls	E	27 May 2022	16
	26 12 16.01 Dry Type Transformers Up To 600 V Primary	E	27 May 2022	3
	26 22 19 Control and Signal Transformers	E	27 May 2022	2
	26 24 13 Switchboards	E	27 May 2022	5
	26 24 16.01 Panelboards Breaker Type	E	27 May 2022	3
	26 27 26 Wiring Devices	E	27 May 2022	3

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	26 28 13.01 Fuses – Low Voltage	E	27 May 2022	2
	26 28 16.02 Moulded Case Circuit Breakers	E	27 May 2022	2
	26 28 18 Ground Fault Equipment Protection	E	27 May 2022	3
	26 28 20 Ground Fault Circuit Interrupters - Class A	E	27 May 2022	2
	26 28 23 Disconnect Switches - Fused and Non-Fused	E	27 May 2022	2
	26 29 01 Contactors	E	27 May 2022	3
	26 29 03 Control Devices	E	27 May 2022	4
	26 29 10 Motor Starters to 600 V	E	27 May 2022	5
	26 32 13.01_R2 Power Generation Diesel	E	25 Jul 2022	14
	26 36 23 Automatic Transfer Switches	E	27 May 2022	7
	26 50 00 Lighting	E	27 May 2022	3
	26 52 13.13 Emergency Lighting	E	27 May 2022	3
	26 52 13.16 Exit Signs	E	27 May 2022	2
DIVISION 27	COMMUNICATIONS			
	27 05 00 Common Work Results for Communications	E	27 May 2022	9
	27 51 19 Sound Masking System	E	27 May 2022	8
DIVISION 28	ELECTRONIC SAFETY AND SECURITY			
	28 10 00 Access Control, Intrusion Detection and Video Surveillance Systems	E	27 May 2022	32
	28 31 00.02 Multiplex Fire Alarm and Voice Communication Systems	E	27 May 2022	14
DIVISION 31	EARTHWORK			
	31 00 00 Earthwork	C	27 May 2022	8
DIVISION 32	EXTERIOR IMPROVEMENTS			
	32 01 90.23 – Pruning	L	27 May 2022	4

<u>DIVISION</u>	<u>SECTION</u>	<u>DOCUMENT RESPONSIBILITY</u>	<u>DATE</u>	<u>PAGES</u>
	32 01 90.33 - Tree and Shrub Preservation	L	27 May 2022	4
	32 12 16 Asphalt Paving	C	27 May 2022	4
VOLUME 3 OF 3				
APPENDIX 1	DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS			
	Hazardous Materials Assessment Report, prepared by All-Tech Environmental Services Limited	Info	04 Jan 2021	68
	Data Gap Analysis & Intrusive Asbestos Survey, prepared by Englobe	Info	28 Jun 2019	37
	DRAFT - Identification, Quantification and Abatement Estimates for Asbestos-Containing Materials - Letter, prepared by Englobe	Info	22 Mar 2019	4
	Halocarbon Standard Operating Procedure, prepared by MCW Maricor	Info	Oct 2012	50
APPENDIX 2	BUILDING CONDITION REPORTS			
	Building Condition Report 2017	Info	26 Apr 2017	103
APPENDIX 3	GEOTECHNICAL INVESTIGATION			
	EastTech Geotechnical Report - Daniel J. MacDonald Building Charlottetown, PEI, prepared by EastTech Engineering Consultants Inc.	Info	21 May 2020	18
	Charlottetown - DJM Building Phase II Soil Investigation, prepared by Jacques, Whitford & Associated Ltd.	Info	15 Aug 1980	25

LEGEND TO DOCUMENTS RESPONSIBILITY

- .1 A - Denotes documents prepared by Architect.
- .2 HS – Denotes documents prepared by Health & Safety Advisor, PSPC Human Resources Branch, Construction & Maintenance.
- .3 SC - Denotes documents prepared by Sustainability Consultant.

- .4 Cx – Denotes documents prepared by Commissioning Agent.
- .5 Env - Denotes documents prepared by PSPC Environmental Group.
- .6 S - Denotes documents prepared by Structural Engineer.
- .7 H - Denotes documents prepared by Architectural Hardware Consultant.
- .8 AV - Denotes documents prepared by Audio Visual Consultant
- .9 M - Denotes documents prepared by Mechanical Engineer.
- .10 E - Denotes documents prepared by Electrical Engineer.
- .11 C – Denotes documents prepared by Civil Engineer
- .12 L - Landscape documents prepared by PSPC
- .13 Info - Denotes Information Documents prepared by various entities.

END OF SECTION

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.


CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
------	------	-------------	------------------------

Where a product is indicated with a particular colour, texture, or pattern, that product is the basis for matching the colour, texture, or pattern in the Work.

DIVISION 03 - CONCRETE

CSLR-1	Concrete Sealer	Silane Sealer	Parking Garage
C-TOP-1	Polished Concrete Topping	Fast-setting, high strength, cementitious, non-shrink, polishable tinted architectural topping, fully banded. Polish to Medium Gloss Finish Colour to match Tile CT-1	Atrium


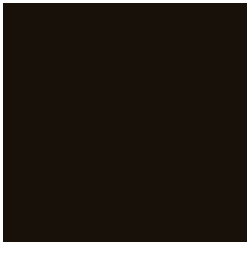

DIVISION 04 - MASONRY

BRK-1	Brick Cladding	Salvaged brick from onsite exterior wall demolition. Or New Brick to Match Existing as required. Provide samples to Departmental Representative for Approval. New brick to be mixed with salvaged brick proportionally	Exterior; Interior (lobby) 
-------	----------------	--	--


DIVISION 05 – METALS

MET-A1	Metal Finish - Prefinished Aluminum	Shop Applied Anodized Coating for Aluminum AAMA Class 1 Exterior Grade Min Film Thickness +0.7mils Colour: Light Bronze RGB Colour Code: 110-95-64	Curtain Wall Sections - CW-3, CW-4 Entrance Canopy 
--------	-------------------------------------	---	--

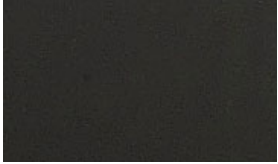

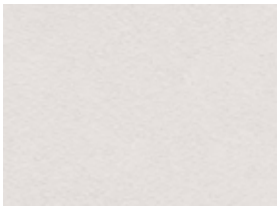
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
MET-A2	Metal Finish - Prefinished Aluminum	Shop Applied 3-coat Fluoropolymer Coating for Aluminum Dry Film Thickness (nominal) ASTM D1400 0.20-0.30 mil primer coat 0.70-0.80 mil colour coat 0.30-0.40 mil clear topcoat Colour: Light Bronze RGB Colour Code: 110-95-64	Cap flashing and aluminum cladding. Applied for colour matching building elements having panels MTL-PNL1 
MET-A3	Metal Finish - Prefinished Aluminum	Shop Applied Anodized Coating for Aluminum AAMA Class 1 Exterior Grade Min Film Thickness +0.7mils Colour: Dark Bronze RGB Colour Code: 24-17-9	Curtain wall CW-1, CW-2 sections. 
MET-A4	Metal Finish - Prefinished Aluminum	Shop Applied 3-coat Fluoropolymer Coating for Aluminum Dry Film Thickness (nominal) ASTM D1400 0.20-0.30 mil primer coat 0.70-0.80 mil colour coat 0.30-0.40 mil clear topcoat Colour: Dark Bronze RGB Colour Code: 24-17-9	Cap flashing and aluminum cladding. Applied for colour matching building elements having panels MTL-PNL3 . 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
MET-A5	Metal Finish - Prefinished Aluminum	Shop Applied 3-coat Fluoropolymer Coating for Aluminum Dry Film Thickness (nominal) ASTM D1400 0.20-0.30 mil primer coat 0.70-0.80 mil colour coat 0.30-0.40 mil clear topcoat Colour: Black	Custom Atrium Acoustic Panel:  <small>Solids — UC40577</small> <small>Black - UC40577</small>
MET-S1	Prefinished Steel	Architecturally Exposed Structural Steel (AESS): Category 3, Feature Elements Paint: Coating System: Three (3) Coat System, Orzn /Epoxy /Pu Refer to Section 05 12 48 Coatings for Architecturallt Exposed Structural Steel	Front Canopy; Column as the Atrium; Exposed Seismic Bracing
MET-S2	Metal Finish - Prefinished Steel	Shop Applied 4-coat Fluoropolymer Coating for Steel Dry Film Thickness (nominal) ASTM D1400 0.20 mil primer coat 0.75 mil protection coat 0.75 mil color coat 0.50 mil clear topcoat Colour: Light Bronze RGB Colour Code: 110-95-64	Atrium Stage: Bench Seat/ Edge Banding/ Railings

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
MET-S4	Prefinished Steel	Bluing of Acoustic Panel's Steel Frame Shop Applied Transparent Black Acrylic Lacquer Coating Dry Film Thickness .3-.5 mils Color: Black Matte RGB Colour Code: 39 39 45	Custom Atrium Acoustic Panel: 
MET-Z1	Flat Lock Zinc Panels	Pre-patinated Titanium Zinc Panel FlatLock Panels Thickness - 0.65mm on 16mm plywood substrate Note: All corners to be continuous, no exterior corner flashing to be used Width: 230mm with ~280mm elongation on sloped stair ceiling surfaces (to match 230mm width on vertical faces) Height: Typically 575mm, as needed around edges and corners Colour: Pre-patinated Pigmented brown-grey to complement natural limestone STN-1. Provide samples to consultant	Interior Atrium Stair E, guard post roof 
CRBT-1	Carborundum Tape	Self Adhered Anti-Slip Tape Peel Adhesion: MIL-D-17951E(SH): Adhesive strength 0.75 lbs. (minimum) Width: 51mm Colour: White	Atrium Stair E nosing 




NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
TS-1	Transition Strip - Carpet, LVT to Tile	SS Transition Strip Material: Stainless steel Type 304 Height: Match tile thickness	
TS-2	Transition Strip - Carpet, LVT, Tile to SDT	Sloped SS Transition Strip Material: Stainless Steel Type 304 Height: To Match both adjacent floor thickness	
TS-3	Transition Strip - Carpet, LVT, SDT to Painted Epoxy/ Concrete	Product: Rubber Transition Strips Colour: Charcoal Grey Material: Rubber Gauge to be coordinated with flooring material thickness	
TS-4	Transition Strip - Tile to Painted Epoxy/ Concrete	Sloped SS Transition Strip Material: Stainless Steel Type 304 Height: Tile thickness to Painted epoxy/ concrete flooring	




DIVISION 06 – WOOD, PLASTICS AND COMPOSITES

FAB-1	Fabric	Face: 100% Polyurethane Back: 100% Polyester Knit Weight: 18 oz Per Linear Yard Stain Repellent Fire Rating: NFPA 260, Class 1	Bench seating
-------	---------------	--	-------------------




NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
HDW-1	Decorative hardware	Product: Silver Handle Material: Metal Colour: Nickel Size: 160mm center to center Width: 10mm Projection: 35mm Description: Square Edge D pull	Millwork: Security Console Drawer and Cupboard Pulls 
HDW-2	Decorative hardware	Product: Black Metal Handle Material: Metal Colour: Black Finish: Matte Size: 160mm center to center Width: 13mm Projection: 33mm Description: Hexagon Square Edges D Pull	Millwork: Kitchenette Drawer and Cupboard Pulls 
HDW-3	Decorative hardware	Product: Dark Grey Handle Material: Metal Colour: Dark Grey Size: 160mm center to center Projection: 35mm Description: Square Edge D pull	Millwork: Business Centers Drawer and Cupboard Pulls 

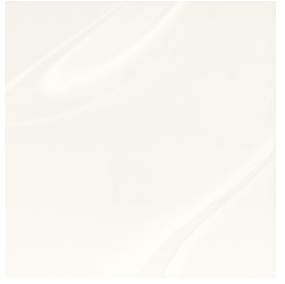
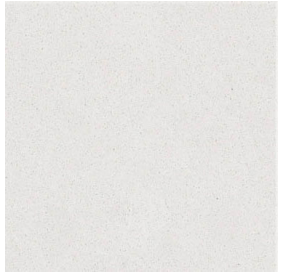
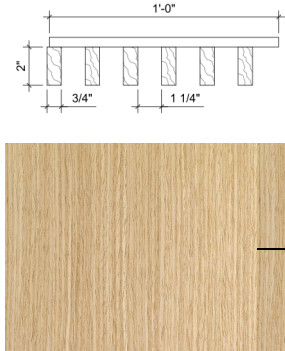
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
PLAM-1	Plastic Laminate HPL	Product: High Pressure Laminate Colour: Medium Brown Wood Pattern Material: High Pressure Laminate Finish: Smooth Texture Finish: Hi-Brite	Security Desk / Refer to Millwork details for location 
PLAM-2	Plastic Laminate HPL	Product: High Pressure Laminate Colour/ Wood look: Walnut Wood look with amber, light browns, greys, and taupes. Design Repeat: 1295mm L x 647mm W Material: Scratch Resistant High Pressure Laminate Finish: Soft Grain	Kitchenette/ Business Center/Vertical Surfaces 
PLAM-3	Plastic Laminate HPL	Product: High Pressure Laminate Colour/Wood look: Wood laminate design with mix of Teak and Framire, and African Oak. Mid-toned brown with tints and shades. Design Repeat: 1092mm L x 774mm W Material: Scratch Resistant High Pressure Laminate Finish: Soft Grain	Doors 
PLAM-4	Plastic Laminate HPL	Product: High Pressure Laminate Colour/Wood look: Wood laminate design with mix of Teak and Framire, and African Oak. Mid-toned brown with tints and shades.	Window Sills and Trim

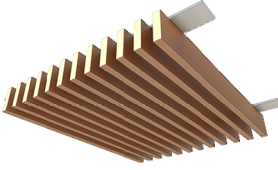
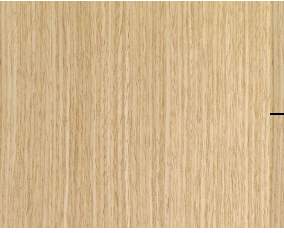
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Design Repeat: 1092mm L x 774mm W Material: Scratch Resistant High Pressure Laminate Finish: Soft Grain	
SSF-1	Solid Surfacing	Product: Quartz Countertop Material: Quartz Colour: White ground with touches of gray and pale beige, feather look Finish: Polished Thickness: 30 mm Edge Profile: Mitered Edge	Security Desk/ Refer to millwork details for location 
SSF-2	Solid Surfacing	Product: Quartz Countertop Material: Quartz Colour: Snow White with icy look Finish: Polished Thickness: 30 mm Edge Profile: Mitered Edge	Countertop/ Washroom 
SSF-3	Solid Surfacing	Product: Solid Surface Countertop Colour: White with veining Material: 1/3 acrylic resin and 2.3 natural materials Finish: Polished Thickness: 12mm	Countertop/ Business Center

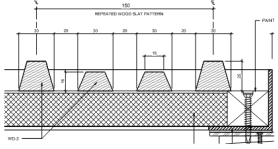
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Edge Profile: Mitered Edge	
SSF-4	Solid Surface	Product: Quartz Countertop Colour: Organic Speckled White Finish: Polished Material: Quartz Thickness: 13mm 20 mm Edge Profile: Mitered Edge	Countertop/ Kitchenette 
WD-PNL-1	Solid Wood Grille Panel	Linear Wood Blade Panel Panel Size 460mm x 1220mm Blade Size 50 x 19 mm Number of Blades: 6 Blade Material: Solid Wood White Oak Finish: Clear Stain – Matte Finish Backer: Cross Wood Backer, fire-rated, painted Black @ 305 O.C. Acoustic Backer: Black Acoustic Wovem Material, Exterior Rated Fire Rating: Class A	Grafton Street Entrance - Exterior Canopy Soffit 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
WD-PNL-2	Solid Wood Grille Panel – Acoustic Composite	Custom Acoustic Panel Solid Wood Slats in steel angle frame Wood: White Oak; Rift Cut: Natural Fire Rating: Class A <u>Associated Materials:</u> MET-S4 (on steel frame) WD-2 (Fire Treated solid wood) MET-A5 (Flashing and Closures) AWP-3 (acoustic board)	Custom Atrium Acoustic Panel:
WD-PNL-3	Solid Wood Grille Panel	Custom Solid Wood Slats in steel frame at ceiling Wood: White Oak; Rift Cut: Natural Core Material: Solid Wood White Oak Finish: White Oak; Rift Cut, Natural – Match WD-PNL1 Backer: Cross Wood Backer painted Black Blade Size: 50mm x 152mm length varies depending on location Fire Rating: Class A	Wellness Room Ceiling/ Kitchenette Level 2-5/ Elevator Lobbies Level 1-5 
WD-PNL-4	Wood Panel Solid	Custom Wood Panel System Wood: White Oak; Rift Cut: Natural Slip Matched Core Material: Solid Wood White Oak Finish: White Oak; Rift Cut, Natural – Match WD-PNL1 Fire Rating: Class A Size: Refer to architectural drawings for details *Applied to wall and ceiling	Kitchenette 1-20, Locker end panels, Huddle Booths 

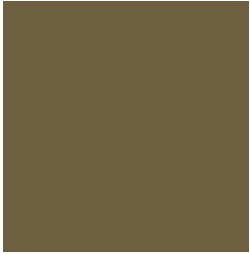

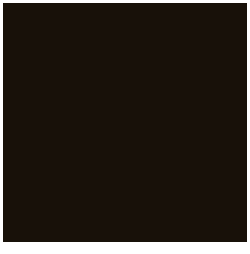
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
WD-1	Wood Throughout	Wood Throughout Wood: White Oak; Rift Cut: Natural Slip Matched Core Material: Solid Wood White Oak Finish: White Oak; Rift Cut, Natural – Match WD-PNL1 Flame Spread Rating: Class A Size: Refer to millwork shop drawings for sizing.	Wall/ Ceiling Panel Ground Floor Kitchenette/ Locker End Panels/ Huddle Booths.
WD-2	Solid Wood	Wood: White Oak; Rift Cut: Natural Core Material: Solid Wood White Oak Finish: Clear Stain – Matte Finish Match WD-PNL1 Fire Treatment: Water-base intumescent fire retardant wood treatment Wet Film Thickness: 1ml /coat, 3ml after 3 coats Class A Flame Spread: 20 Smoke Development: 95-105	Custom Atrium Acoustic Panel: 

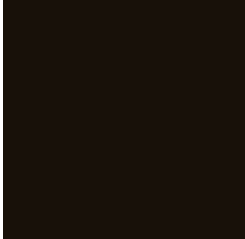
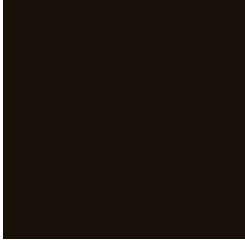
DIVISION 07 – THERMAL AND MOISTURE PROTECTION

MTL-PNL1	Aluminum Cladding Panel	High Strength, Low Weight Aluminum Alloy Sheet Sheet Thickness - 3mm Panel Thickness – min 25mm Finish & Colour: MET-A1 Framing System Attachment:	Grafton St Column Covers/ Grafton St Entrance Canopy/ Atrium and Grafton St Ground Level Bases at Curtain Walls
----------	-------------------------	--	---

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Vertical support fastened to thermally broken clip system off structural girts. Rear Ventilated Rainscreen Pressure-Equalized Vertical Joints to be open and minimized to 3mm	
MTL-PNL2	Aluminum Cladding Panel	High Strength, Low Weight Aluminum Alloy Sheet Sheet Thickness - 3mm Panel Thickness – min 25mm Finish and Colour: MET-A2 Framing System Attachment: Vertical support fastened to thermally broken clip system off structural girts. Rear Ventilated Rainscreen Pressure-Equalized Vertical Joints to be open and minimized to 3mm	Entrance Vestibules/ Atrium Fascia/ 4 th Floor Metal Cladding at Atrium CW-3 Base 
MTL-PNL3	Aluminum Cladding Panel	High Strength, Low Weight Aluminum Alloy Sheet Sheet Thickness - 3mm Panel Thickness – min 25mm Finish and Colour: MET-A4 Framing System Attachment: Vertical support fastened to thermally broken clip system off structural girts.	2 nd through 5 th Floor Metal Cladding at Ribbon Windows 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Rear Ventilated Rainscreen Pressure-Equalized Vertical Joints to be open and minimized to 3mm	
MTL-PNL4	Aluminum Cladding Panel	High Strength, Low Weight Aluminum Alloy Sheet Sheet Thickness - 3mm Panel Thickness – min 25mm Finish and Colour: MET-A4 Framing System Attachment: Vertical support fastened to thermally broken clip system off structural girts. Rear Ventilated Rainscreen Pressure-Equalized Vertical Joints to be open and minimized to 3mm	Ground and 2 nd Floor Cladding at Ribbon Windows 
MTL-PNL5	Aluminum Cladding Panel	High Strength, Low Weight Aluminum Alloy Sheet Sheet Thickness - 3mm bonded to abuse resistant backer Panel Thickness – min 25mm Finish and Colour: MET-A3 (Anodized Dark Bronze) Framing System Attachment: Vertical support fastened to thermally broken clip system off structural girts. Rear Ventilated Rainscreen Pressure-Equalized Vertical Joints to be open and minimized to 3mm	Ground Floor Bases at CW-1 (Kent St) 


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
INS-1	Insulation	Closed Cell Spray Foam	
INS-2	Insulation	Extruded Polystyrene – Foam Board	
INS-3	Insulation	Mineral Wool Insulation	Exterior
RT-1	Roofing Assembly	Inverted roof 40 Ballast Filter fabric 10 Drainage Board 2x76 INS-2 Leak detection system -Conductor Wire 2 Ply modified bitumen roof membrane Leak detection system - Measurement grid Sloped insulation Self adhesive Vapour Retarder 16 Exterior Sheathing Board Galv Metal deck Colour: White	At New Atrium Roof
RT-2	Roofing Assembly	Canopy roof 2 Ply Modified Bitumen roof membrane Sloped insulation as required to form roof slope 13 Exterior Sheathing Board 38 Galv. Metal deck Colour: white	Grafton Street canopy / revolving door

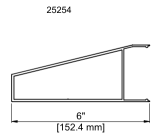
DIVISION 08 – OPENINGS

CW-1	Curtain Wall System	Thermal Broken Curtain Wall System Material: Aluminum Alloy – 6603 Mullion Size: 63.5mm x 133.4mm	Ground Floor Kent Street
-------------	----------------------------	---	--------------------------

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		profile 63.5mm x 101.6mm profile at existing columns 25mm cap at end of field locations. Structural Silicone Glazing (SSG) at all vertical joints. Finish: MET-A3	
<p>CW-2</p>	<p>Window System</p>	Flush Front Glazed Fixed Window System Material: Aluminum Alloy - 6003 Mullion Size: 19mm x 127mm + 19mm setting block Finish: MET-A3	Ground, 2 nd , 3 rd , 4 th and 5 th floors.
<p>CW-3</p>	<p>Curtain Wall System – High Span</p>	Thermal Broken Curtain Wall System Material: Aluminum Alloy – 6603 Final dimensions of system per CW engineering requirements Mullion Size: 63.5mm x 254mm profile everywhere except 63.5mm x 133.4mm profile at Atrium clerestory horizontal mullions at 5 th floor level 25mm cap at end of field locations. 4-sided Structural Silicone Glazing (SSG). Finish: MET-A1 Provide exterior knife blades as required to support CW-VS1 vertical sunshade at Atrium clerestory.	Atrium/ Grafton St Entrance 
<p>CW-4</p>	<p>Curtain Wall System South Block 3rd floor</p>	Thermal Broken Curtain Wall System Material: Aluminum Alloy – 6603 Mullion Size: 63.5mm x 254mm tapered profile at end of field locations , 63.5mm	South Block 3rd Floor Special Surround Mullion Cap 25254

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		x 168.3mm rect. profile at middle vertical mullions. Structural Silicone Glazing (SSG) at all vertical joints.. Colour: MET-A1	
CW-VS1	Curtain Wall System Vertical Sunshade	Vertical Sunshade – Material: Aluminum Alloy – 6603 Sunshade size: 63mm x 305mm Fastened to the CW-3 curtain wall framing. Colour: MET-A2 (light bronze)	
FLM-1	Glazing Film	Standard of Acceptance: 3M Product: Dusted Crystal Code: 7725SE-314	Glass Fronts *Refer to Signage Package
FLM-2	Glazing Film	Standard of Acceptance: 3M Product: Dusted Crystal Code: 7725SE-314	Bike Storage Glass Front *Refer to Signage Package
GL-BL	Ballistic Glass	Type: Laminated Ballistic Thickness: 32mm = 3mm + 0.6 urethane interlayer +25mm + 0.6 urethane interlayer +3mm Glass 1 (3mm): Mar-Resistant Polycarbonate Interlayer: .060 Urethane Glass 2 (25mm): Acrylic Interlayer: 0.60Urethane Glass 1 (3mm): Mar-Resistant Polycarbonate	At Security Desks

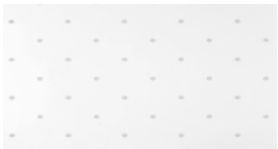
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Mullion Size: 45mmx100mm Ballistic Aluminum Frame Assembly Rated: ULC-752-3	
GL-FR1	Fire Rated Glass	Clear laminated ceramic glazing material Thickness: 8mm	
GL-L1	Laminated Tempered Glass	Type: Laminated Float Glass Thickness: 13mm Glass 1 (6mm): Clear Float Glass Interlayer: 0.60 PVB interlayer Glass 2 (6mm): Clear Float Glass	Building Entrances
GL-L2	Laminated Tempered Glass	Type: Laminated Safety Thickness: 21 mm Glass 1 (10mm): Clear Tempered Glass Interlayer: 0.80 PVB interlayer Glass 2 (10mm): Clear Tempered Glass 2mm chamfer on all glass edges	Bridge and Stair Guards
GL-T1	Tempered Safety Glass	Type: Tempered Glass, impact resistant Thickness: 6 mm	Doors, as per Door/Hardware Schedule indicated on drawings
GS-1	Glass Partition System Single Glazed	Aluminum Framed Full Height Glazed Partition System Glass: Glass 1 (4mm): Tempered Glass Laminate 1: 0.8 PVB laminate Glass 2 (4mm) Tempered Glass Mullion Size: 45mmx95mm - Horizontal Mullions, End of Range Terminations and Door Frames	All interior Single Glazed Glass Fronts

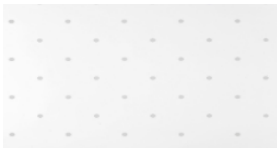
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		90mmx95mm - Perpendicular Butt Joint Walls, Extra Clear Silicone butt joints all remaining vertical locations Frame Colour: Dark Grey / Graphite RGB Colour Code: 60,61,6 Doors: Wood doors by Division 8. See Door/Hardware Schedule	
GS-2	Glass Partition System Double Glazed	Aluminum Framed Full Height Glazed Partition System Glass: 9.5mm + Airspace + 9.5mm Glass 1 (4mm): Tempered Glass Laminate 1: 0.8 PVB laminate Glass 2 (4mm): Float Glass Gap 1: Glass 3 (4mm): Float Glass Laminate 2: 0.8 PVB laminate Glass 4 (4mm): Tempered Glass Mullion Size: 45mmx95mm - Horizontal Mullions, End of Range Terminations and Door Frames 90mmx95mm - Perpendicular Butt Joint Walls, Extra Clear Silicone butt joints all remaining vertical locations Frame Colour: Dark Grey / Graphite RGB Colour Code: 60,61,6 Doors: Wood doors by Division 8	All interior Glass Fronts (STC 45)


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
GS-3	<p>Glass Partition System</p> <p>Double Glazed</p>	<p>Aluminum Framed Full Height Glazed Partition System</p> <p>Glass: 12.5mm + Airspace + 12.5mm</p> <p>Glass 1 (5mm): Tempered Glass Laminate 1: 2.3 PVB laminate Glass 2 (5mm): Float Glass Gap 1: Glass 3 (5mm): Float Glass Laminate 2: 2.3 PVB laminate Glass 4 (5mm): Tempered Glass</p> <p>Mullion Size: 45mmx165mm - Horizontal Mullions, End of Range Terminations and Door Frames 90mmx165mm - Perpendicular Butt Joint Walls, Extra Clear Silicone butt joints all remaining vertical locations</p> <p>Colour: Dark Grey / Graphite RGB Colour Code: 60,61,6 Doors: Wood doors by Division 8</p>	<p>All interior Glass Fronts (STC 52)</p>
IGU-1V1	<p>Insulated Glass Vision Glazing</p> <p>Double Glazed</p> <p>Bird Friendly to meet (CSA) A460:19</p>	<p>VISIBLE LIGHT Transmittance - 68 % Reflectance outside - 11 % Reflectance inside - 12 % General Color Rendering Index (CRI) - 95.4 ULTRAVIOLET Transmittance UV - 30 % SOLAR ENERGY Solar transmittance - 33 % Reflectance outside - 33 % Reflectance inside - 36 % Solar absorptance - 34 % SHGC - 0.37</p>	<p>On CW-2 at Floors 3-5</p> 

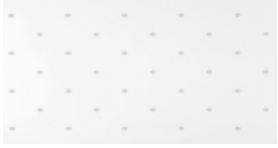
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		<p>Shading Coefficient - 0.43 THERMAL PROPERTIES Winter night U-Value - 0.245 Summer day U-value - 0.220 Light to Solar Gain - 1.82</p> <p>25mm IGU = 6 mm + 13mm air space + 6 mm.</p> <p>Glass 1 (6mm): Clear Float Glass w/ #1 Bird Friendly Acid Etch Pattern No. 17</p> <p>Gap 1 (13mm): Required min 0.25U Argon filled, Warm Edge spacer, black</p> <p>Glass 2 (6mm): Clear Float Glass w/ #2 Low-e Coating</p>	
<p>IGU-1V2</p>	<p>Insulated Glass Vision Glazing</p> <p>Double Glazed</p> <p>Bird Friendly to meet (CSA) A460:19</p>	<p>VISIBLE LIGHT Transmittance - 68 % Reflectance outside - 11 % Reflectance inside - 12 % General Color Rendering Index (CRI) - 95.4</p> <p>ULTRAVIOLET Transmittance UV - 30 %</p> <p>SOLAR ENERGY Solar transmittance - 33 % Reflectance outside - 33 % Reflectance inside - 36 % Solar absorptance - 34 % SHGC - 0.37 Shading Coefficient - 0.43 THERMAL PROPERTIES Winter night U-Value - 0.245 Summer day U-value - 0.220 Light to Solar Gain - 1.82</p> <p>25mm IGU = 6 mm + 9mm air space + 10 mm.</p> <p>Glass 1 (6mm): Clear Float Glass w/ #1</p>	<p>On CW-3 & CW-4 at Floors 3-5</p> 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Bird Friendly Acid Etch Pattern No. 17 Gap 1 (9mm): Required min 0.25U Argon filled, Warm Edge spacer, black Glass 2 (10mm): Clear Float Glass w/ #2 Low-e Coating	
IGU-2V1	Insulated Glass Vision Glazing Double Glazed Bird Friendly to meet (CSA) A460:19 Security Interlayer to comply with ULC- S332	VISIBLE LIGHT Transmittance - 68 % Reflectance outside - 11 % Reflectance inside - 12 % General Color Rendering Index (CRI) - 95.4 ULTRAVIOLET Transmittance UV - 30 % SOLAR ENERGY Solar transmittance - 33 % Reflectance outside - 33 % Reflectance inside - 36 % Solar absorptance - 34 % SHGC - 0.37 Shading Coefficient - 0.43 THERMAL PROPERTIES Winter night U-Value - 0.245 Summer day U-value - 0.220 Light to Solar Gain - 1.82 25mm IGU = 6 mm + 9mm air space + 5 mm + .060 PVB interlayer + 5 mm. Glass 1 (6mm): Clear Float Glass w/ #1 Bird Friendly Acid Etch Pattern No. 17 Gap 1 (9mm): Required min 0.25U Argon filled, Warm Edge spacer, black Glass 2 (5mm): Clear Float Glass w/ #2 Low-e Coating Interlayer: 060 PVB interlayer Glass 3 (5mm): Clear Float Glass	On CW-1 & CW-3 at Ground and 2nd Floor 


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
IGU-2V2	<p>Insulated Glass Vision Glazing</p> <p>Double Glazed</p> <p>Bird Friendly to meet (CSA) A460:19</p> <p>Security Interlayer to comply with ULC-S332</p>	<p>VISIBLE LIGHT Transmittance - 68 % Reflectance outside - 11 % Reflectance inside - 12 % General Color Rendering Index (CRI) - 95.4</p> <p>ULTRAVIOLET Transmittance UV - 30 %</p> <p>SOLAR ENERGY Solar transmittance - 33 % Reflectance outside - 33 % Reflectance inside - 36 % Solar absorptance - 34 % SHGC - 0.37 Shading Coefficient - 0.43</p> <p>THERMAL PROPERTIES Winter night U-Value - 0.245 Summer day U-value - 0.220 Light to Solar Gain - 1.82</p> <p>25mm IGU = 4 mm + 12mm air space + 5 mm + .060 PVB interlayer + 4 mm.</p> <p>Glass 1 (4mm): Clear Float Glass w/ #1 Bird Friendly Acid Etch Pattern No. 17</p> <p>Gap 1 (12mm): Required min 0.25U Argon filled, Warm Edge spacer, black</p> <p>Glass 2 (5mm): Clear Float Glass w/ #2 Low-e Coating</p> <p>Interlayer: 060 PVB interlayer</p> <p>Glass 3 (4mm): Clear Float Glass</p>	<p>On CW-2 at Ground and 2nd Floor.</p> 

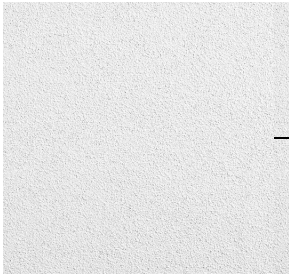
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
IGU-1S	<p>Insulated Glass Shadow Box</p> <p>Match IGU-1V glass</p> <p>Double Glazed</p> <p>Bird Friendly to meet (CSA) A460:19</p>	<p>VISIBLE LIGHT Transmittance - 68 % Reflectance outside - 11 % Reflectance inside - 12 % General Color Rendering Index (CRI) - 95.4</p> <p>ULTRAVIOLET Transmittance UV - 30 %</p> <p>SOLAR ENERGY Solar transmittance - 33 % Reflectance outside - 33 % Reflectance inside - 36 % Solar absorptance - 34 % SHGC - 0.37 Shading Coefficient - 0.43</p> <p>THERMAL PROPERTIES Winter night U-Value - 0.245 Summer day U-value - 0.220 Light to Solar Gain - 1.82</p> <p>25mm IGU = 6 mm + 13mm air space + 6 mm.</p> <p>Glass 1 (6mm): Clear Float Glass w/ #1 Bird Friendly Acid Etch Pattern No. 17</p> <p>Gap 1 (13mm): Required min 0.25U Argon filled, Warm Edge spacer, black</p> <p>Glass 2 (6mm): Clear Float Glass w/ #2 Low-e Coating</p> <p>Insulation: 102mm INS-3Gun Welded Stick Pins – 1 per 0.1m2</p> <p>Linear Back Panel: Galvanized sheet metal</p>	

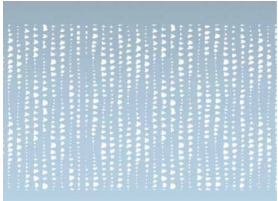
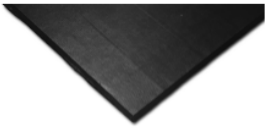
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
MIR-1	Fixed Position Mirror	<p>Product: Fixed-Position Mirror</p> <p>Material: Mirror Frame should be 18-8, Type-430, heavy-gauge stainless steel. 13 x 13 mm angle with vertical-grain satin finish. Wall Frame should be 18-8, Type-430, heavy-gauge stainless steel with satin finish. Mirror should be No.1 quality, 6mm select float glass.</p> <p>All mirror edges should be polished and protected by plastic filler strips.</p>	
MIR-2	Mirror - Washrooms	<p>Refer to Washroom Elevations for more information</p> <p>Frame Finish: Satin Stainless Steel</p>	NO IMAGE
MIR-3	Mirror – Fitness Center	<p>Refer to Fitness Center for more information</p> <p>Frame Finish: Satin Stainless Steel</p>	NO IMAGE

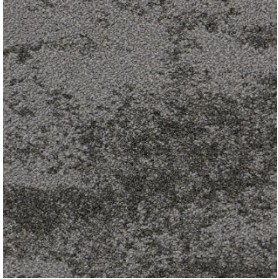
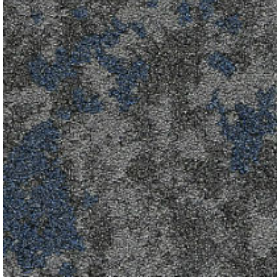
DIVISION 09 - FINISHES

ACT-1	Acoustic Ceiling Tile	<p>Product: Acoustic Ceiling Tile</p> <p>Edge: Tegular</p> <p>Colour: White</p> <p>Size: 500x1500mm</p> <p>NRC Rating: 0.75</p> <p>CAC rating: 35</p> <p>Fire Class: Class A (UL)</p> <p>Grid: 9/16" Suprafine White</p>	<p>General</p> 
--------------	------------------------------	--	--

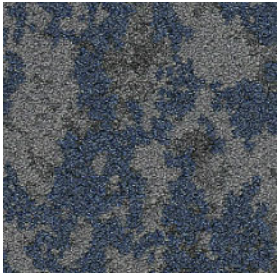
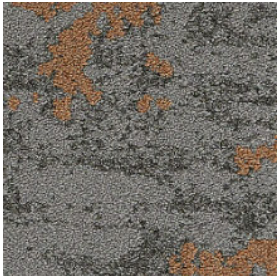
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
AWP-2	Acoustical Wall Panel - Suspended	<p>Product: Acoustical Wall Panel</p> <p>Material: 100% polyester, approximately 50% should be recycled water/soda bottles</p> <p>Colour: TBD</p> <p>Pattern: Custom Cut to Match Selected Film Pattern</p> <p>Size: Review floor plan locations for sizes</p> <p>Thickness: 1/2" (12mm)</p> <p>Hardware: Cable suspension at floor (carpet tile on slab) and ceiling (T-bar). No top and bottom rails.</p> <p>*Refer to Signage Package for more information.</p>	<p>Various – Refer to Furniture and Equipment Plans for Locations</p> 
AWP-3	Acoustic Board	<p>Semi-rigid glass fibre sound attenuation board insulation with a black glass fibre mat surface.</p> <p>Thickness 25mm</p> <p>NRC = 0.70</p> <p>Compliance: Type I ASTM C553 Type I ASTM C612</p> <p>Fire Flame Spread <25; Smoke Developed <50 CAN/ULC-S102</p>	<p>Custom Atrium Acoustic Panel:</p>  <p>Superior Acoustical Performance</p>

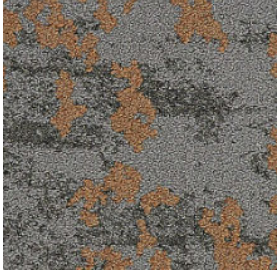


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CPTT-1	Carpet Tile	Product: Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of gray tones to coordinate with CPTT-2 Size: 305 mm x 914 mm Construction: Textured Pattern Multi-Colours Loop Installation Method: Half Lap *Water-based releasable adhesive	Corridors/ Locker Rooms NO IMAGE
CPTT-2	Carpet Tile	Product: Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Grey tone blend Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Pattern: Bark look Installation Method: Half Lap *Water-based releasable adhesive	General Open Workstation 
CPTT-3	Carpet Tile	Product: Grey/Blue Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones and a small amount of indigo blue Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Pattern: Bark look Installation Method: Half Lap	Accent Open Workstation Floor 1 

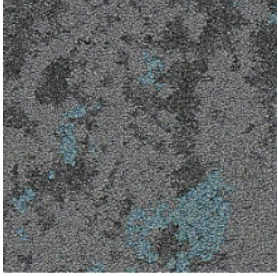
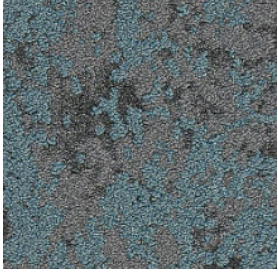
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		*Water-based releasable adhesive	
CPTT-4	Carpet Tile	Product: Grey/Blue Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones and indigo blue Pattern: Bark look varying with colour Size: 305 mm x 9104 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Enclosed Rooms Floor 1 
CPTT-5	Carpet Tile	Product: Grey/ Terracotta Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones and small amount of terracotta Pattern: Bark look Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Accent Open Workstation Floor 2 




NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CPTT-6	Carpet Tile	Product: Grey/ Terracotta Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones and terracotta Pattern: Bark look varying with colour Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Enclosed Rooms Floor 2 
CPTT-7	Carpet Tile	Product: Green and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones with a small amount of green Pattern: Bark look Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Accent Open Workstation Floor 3 
CPTT-8	Carpet Tile	Product: Green, and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones with green Pattern: Bark look varying with colour Size: 305 mm x 914 mm Construction: Textured Patterned Multi-	Enclosed Rooms Floor 3 


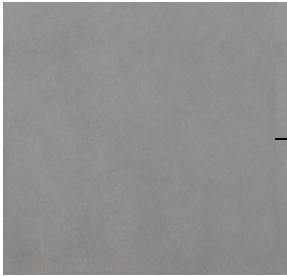
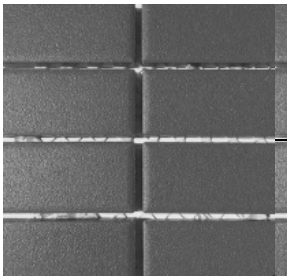
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Coloured Loop Installation Method : Half Lap *Water-based releasable adhesive	
CPTT-9	Carpet Tile	Product: Light Blue and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones with a small amount of light blue Pattern: Bark look Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Accent Open Workstation Floor 4 
CPTT-10	Carpet Tile	Product: Light Blue and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones with light blue Pattern: Bark look varying with colour Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Enclosed Rooms Floor 4 

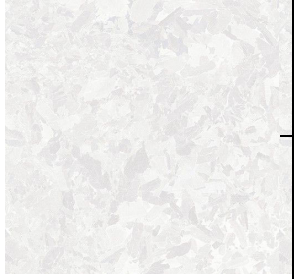

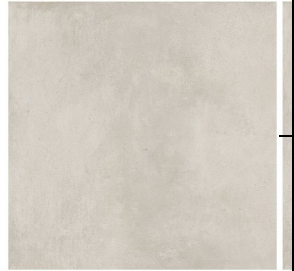
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CPTT-11	Carpet Tile	Product: Blue and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of two grey tones with a small amount of light grey Pattern: Bark look Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Accent Open Workstation Floor 5 
CPTT-12	Carpet Tile	Product: Beige and Grey Carpet Tile Material: 100% recycled nylon fiber Dye Method: 100% solution dyed Colour: Blend of three tones of grey Pattern: Bark look varying with colour Size: 305 mm x 914 mm Construction: Textured Patterned Multi-Coloured Loop Installation Method: Half Lap *Water-based releasable adhesive	Enclosed Rooms Floor 5 
CT-1	Porcelain Tile	Product : Porcelain Tile, rectified Colour : White Finish : Matte RT Size : 750x1500 mm Thickness : 9mm Grout Joint width : 2mm Slip Resistance: >=0.42	Floor Tile/Corridor & Atrium 



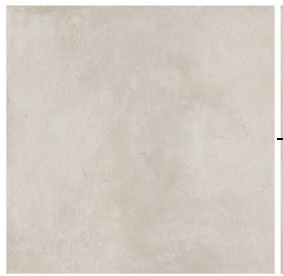
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CT-2	Porcelain Tile	Product : Porcelain Tile, rectified Colour: Various gray shades with veining Finish: Matte Size: 300mm x 600mm Thickness: 9.5mm Grout Joint width: 2mm	Wall Tile/ Washroom 
CT-3	Porcelain Tile	Product : Porcelain Tile, rectified Colour: Grey Finish: Matte Size: 300mm x 600mm Thickness: 10mm Grout Joint width: 2mm Slip Resistance: 0.62	Wall & Floor Tile/ Washroom 
CT-3A	Porcelain Tile Mosaic	Product : Porcelain Tile Mosaic, rectified Colour: Gray to match CT-3 wall colour Finish: Matte Size: 23x48 mm/300x300 mm meshed Thickness: 10mm Grout Joint width: 2mm	Locker Room Showers 




NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CT-4	Porcelain Tile	Product : Porcelain Tile, rectified Colour: White with gray variation Finish: Matte Size: 800 x 800 mm Thickness: 10mm Grout Joint width: 2mm Slip Resistance: 0.71	Floor Tile/ Kitchenette/Lounge 
CT-5	Ceramic Tile	Product : Ceramic Tile Colour: White Finish: Gloss Size: 50mmx300mm Installation : Stacked Thickness: 8mm Grout Joint width: 2mm	Wall Tile/ Kitchenette/Lounge 
CT-6	Porcelain Tile	Product : Porcelain Tile , rectified Colour: Pearl Finish: Matte RT Size : 750x1500 mm Thickness : 9mm Grout Joint width: 2mm Slip Resistance: >=0.42	Floor Tile / Kitchenette Ground Floor & Elevator Lobbies 
CTB-1	Wall Base	Product : Porcelain stoneware wall base Colour: White Finish: Matte RT Size: 100mm High	Wall Base/ Corridor & Atrium




NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Thickness:9mm Grout Joint width:2mm	
CTB-2	Wall Base	Product : Porcelain stone wall base Colour: White with gray variation Finish: Matte Size: 100mm High Thickness: 9.5mm Grout Joint width: 2mm	Wall Base/ Kitchenette/Lounge 
CTB-3	Wall Base	Product : Porcelain stoneware wall base Colour: Pearl Finish: Matte RT Size: 100mm high Thickness: 9mm Grout Joint width: 2mm	Wall Base/ Kitchenette Ground Floor & Elevator Lobbies 
LVT-1	Luxury Vinyl Tile	Product: Luxury Vinyl Tile Tile Size: 250 mm x 1000 mm Thickness: 4.5mm Colour/ Finish: Light Oak colour with antiqued wood grain texture Construction: High performance Luxury Vinyl Tile	Atrium Stage


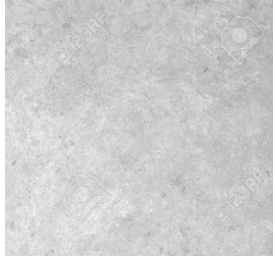
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Class: Class III Printed Vinyl Plank Wear Layer Thickness: 22mil Installation: Ashlar, in Full Adhesive	
LVT-2	Luxury Vinyl Tile	Product: Luxury Vinyl Tile Tile Size: 500 mm x 500 mm Thickness: 4.5mm Colour/Finish: Blend of cool and warm grays/ Textured stone polished cement look Construction: High performance Luxury Vinyl Tile Class: Class III Printed Vinyl Tile Wear Layer Thickness: 22mil Installation Type: Non-Directional	Storage Rooms 
PT-1	Paint	Product: Off White Paint RGB Code: (229,227,220) Finish: Varies based on application	General/ Ceiling paint 
PT-2	Accent Paint	Product: Charcoal Grey RGB Code: (101,101,98) Finish: Dependant on application	Accent Walls – Kitchenettes, Business Centers, Meeting Rooms, Open Collab


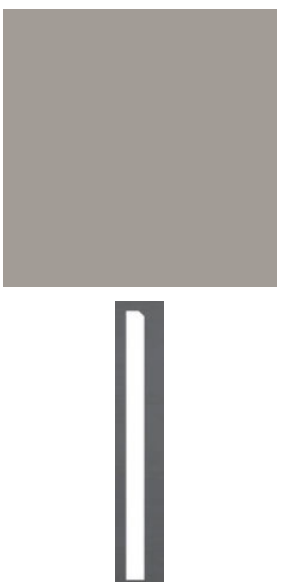
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
			Workpoints Painted Exposed Ceilings 
PT-3	Paint	Product: Light Grey Paint RGB Code: (207,205,203)	Accent Walls – Wellness Center, Focus Rooms, Phone Rooms, Reflection Rooms 
PT-4	Accent Paint	Product: Medium Grey Paint RGB Code: (183,181,179)	Accent Wall – Work Rooms, Project Rooms 




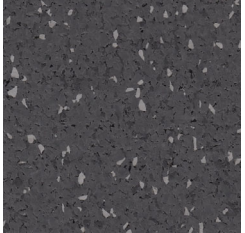
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
PT-5	Accent Paint	Product: Dusty Grey Paint RGB Code: (159,160,158)	Accent Wall – SPS spaces 
PT-6	Writeable Surface Paint	Product: Dry Erase Top Coat Finish: Clear Gloss Coating Material: Waterbased Polyurethane Allow only for standard dry erase marker writing to be removed using a dry cotton cloth or dry eraser.	ITIM & Admin Application Management – Innovation Lab NO IMAGE
PT-EP1	Epoxy Paint	Product: Two-component water based epoxy, VOC less than 50 g/l, gloss level 3 Application: two (2) coats, 3.0 mils DFT per coat	Basement, Janitor Closets 
PT-SPC	Spray-on Cementitious Wall Finish	Water based acrylic coating with integral quartz aggregates providing lustrous metallic finish COATING THICKNESS 2 coats combined - 1.5 mm Colour: TBD to complement adjacent Titanium Zinc Stair panels.	Atrium Stair E Wall Surfaces

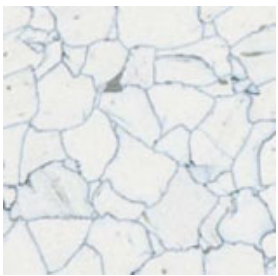

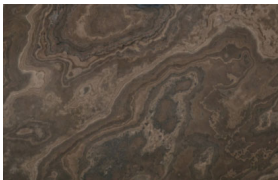
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
<p>RB-1</p>	<p>Rubber Wall Base</p>	<p>Product: Rubber Wall Base Colour: White Style: Millworkbase with eased edge Size: 100mm high Material: Rubber</p>	<p>Varies, refer to floor finish plan for location</p> 
<p>RB-2</p>	<p>Rubber Wall Base</p>	<p>Product: Rubber Wall Base Colour: Silver Grey Style: Millworkbase with eased edge Size: 100mm high Material: Rubber</p>	<p>Varies, refer to floor finish plan for location</p> 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
RB-3	Rubber Wall Base	Product: Rubber Wall Base Colour: Grey Style: Millworkbase with eased edge Size: 100mm high Material: Rubber	Varies, refer to floor finish plan for location  
RST-1	Rubber stair tread	Product: Rubber Stair Tread with integral 50mm colour contrast strip at the nosing to conform to CSA B651-18 Article 5.4.2 Material: Rubber Colour: TBD	Stairs A, B C & D  <p><small>Rubber Stair Treads</small></p> <p><small>PVIRH-XX-RD Round Pattern - Square Nose</small> <small>PVIRH-XX-SQ Square Pattern - Square Nose</small> <small>PVIRTR-XX-RD Rubber Tread & Riser - Round Pattern - Square Nose</small> <small>PVIRTR-XX-SQ Rubber Tread & Riser - Square Pattern - Square Nose</small> <small>PVIRTR-XX Rubber Tread & Riser - Chamfered Pattern - Square Nose</small></p>
RSF-1	Rubber Sheet Flooring	Product : Roll good Rubber Flooring Colour : Dark grey with light grey specks Thickness : 4mm Material : Rubber	Floor Tile/ Wellness Center 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
SDT-1	Static Dissipative Tile	<p>Product: Static Dissipative Vinyl Tile with Copper Grounding Straps</p> <p>Material: Dissipative Vinyl, copper grounding strips.</p> <p>Colour: Finish should be white and grey marble finish</p> <p>Dimension of tile: 610mm x 610mm x 3mm THK</p> <p>Dimensions of Copper Strip should be 25.4mm wide, 45.7mm long and 0.1mm thick.</p>	<p>Data, Electrical Room</p> 
STN-1	Natural Limestone	<p>Native Canadian Limestone originating in Wiarton / Owen Sound, Ontario with a fleuri pattern.</p> <p>Vertical Faces: Vein Cut</p> <p>Horizontal Faces: Fleuri Cut</p> <p>Finish: Honed</p> <p>Thickness: 19mm</p> <p>Grout Joint: 1/8", colour to match</p> <p>Epoxy Quirk Mitre Corners, Pencile round edges. Shadow reveal cut at base</p> <p>Size 100mm height (TBD)– Font, layout.</p> <p>Stone joint spacing in coordination / alignment with floor tile</p>	<p>Atrium – Stage</p> <p>Vertical Face (front sides):</p> <p>Vein Cut</p>  <p>Horizontal Face (Top):</p> <p>Fleuri Cut</p> 
VWC-1	Vinyl Wallcovering	<p>Continuous Graphics throughout</p> <p>* Refer to Signage Package for Specification.</p>	<p>Parking Garage</p>

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
VWC-2	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Wellness Center Interior
VWC-3	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Wellness Center Exterior
VWC-4	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Washroom Core
VWC-5	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Corridor 120
VWC-6	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Adjacent to Elevator Lobbies
VWC-7	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Museum
VWC-8	Vinyl Wallcovering	RESERVED	
VWC-9	Vinyl Wallcovering	RESERVED	
VWC-10	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Locker Core


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
VWC-11	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Locker Core 2
VWC-12	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Washroom Cores – South Block
VWC-13	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Meeting Room 2-86 Exterior
VWC-14	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Locker 3-70 Exterior
VWC-15	Vinyl Wallcovering	* Refer to Signage Package for Specification.	Open Workspace 5-14
VWC-16	Vinyl Wallcovering	Different Graphic Per Floor * Refer to Signage Package for Specification.	Elevator Lobbies


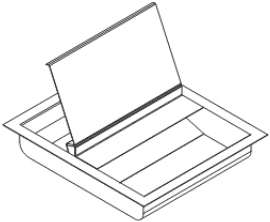

DIVISION 10 – SPECIALTIES

BFL-1	Bottle Filler	Supplied and installed under Division 22, Plumbing	
BP-1	Fiberglass Ballistic Panel	Product: Bullet-Resistant Fiberglass Thickness: 12mm Must have ballistic rating of UL 752, Level 3 and N.I.J 0108.01 Level IIIA Panels must be rated ULC-752-3	Security Office


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
CH-1	Coat Hook	<p>Product: Surface-Mounted Coat Hook</p> <p>Materials: Flange and Support Arm are 18-8, Type-304, 22-gauge (0.8mm) stainless steel.</p> <p>Concealed wall plate should be 18-8, Type-304, 16-gauge (1.6mm) stainless steel</p> <p>Cap should be 18-8, Type-304, 10-gauge (3.6mm) stainless steel</p> <p>Size: Flange is 50 x 50mm. Hook 13mm wide, projects 40mm from wall.</p> <p>Finish: Satin stainless steel</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
CH-2	Coat Hook	Supplied and installed by Toilet Compartment Manufacturer	NO IMAGE
CG-1	Corner Guard	<p>Product: Stainless Steel Corner Guard</p> <p>Material: Type 304 Stainless Steel</p> <p>Finish: #4 Satin Finish</p> <p>Size: 50mm x 1219mm x 50mm (WxHxD)</p> <p>Installation: Mastic Construction Adhesive</p>	NO IMAGE



NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
BCT-1	Baby Changing Table	<p>Product: Horizontal Stainless Steel Wall Mounted Baby Changing Table</p> <p>Size: Unit Dimensions: 892 mm x 508 mm Depth (closed): 102 mm Extension (open): 483 mm</p> <p>Material: 18 gauge, Type-304 satin stainless steel exterior finish with blow molded high-density grey polyethylene</p> <p>Finish: Stainless Steel</p> <p>Minimum holding capacity: 22.68 kg</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
DT-1	Deal Tray	<p>Product: Recessed Flip Lid Currency Tray</p> <p>Material: 18 ga Stainless Steel with welded connections</p> <p>Should be bullet-proof.</p> <p>Dimensions: 368mm x 419mm x 70mm</p> <p>Standard of Acceptance: Total Security Solutions</p> <p>Product: Recessed Flip Lid Deal Tray 368mm x 419mm x 70mm</p> <p>Rated ULC-752-3</p>	
GRB-1	Grab Bar	<p>Product: 32mm Diameter Stainless Steel Grab Bars with Snap Flange</p> <p>Clearance from wall : 38mm</p> <p>Length : 610mm</p> <p>Material : 18-1, Type-304, 18-Gauge (1.2mm) Stainless steel tubing with a</p>	<p>Barrier Free WR/Stalls & Universal Washrooms</p> 


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		<p>satin finish and slip resistant surface.</p> <p>Mounting flanges to be 18-8, Type-304, 11-gauge (3.2mm) thick, Stainless steel plates.</p> <p>Snap Flange Covers to be 18-8, Type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish.</p> <p>Strength : 408 kg</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
GRB-2	Grab Bar L-Shaped	<p>Product: 32mmDiameter Stainless Steel Grab Bars with Snap Flange</p> <p>Clearance from wall : 38mm</p> <p>Material : Grab bar to be 18-1, Type-304, 18-Gauge (1.2mm) Stainless steel tubing with a satin finish and slip resistant surface.</p> <p>Mounting flanges to be 18-8, Type-304, 11-gauge (3.2mm) thick, Stainless steel plates.</p> <p>Snap Flange Covers to be 18-8, Type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish.</p> <p>Strength : 408 kg</p> <p>Dimension : 760mm x 760mm</p>	<p>Barrier Free WR/Stalls & Universal Washrooms</p> 
GRB-3	Grab Bar – L-Shaped Shower	<p>Product: 32mm Diameter Stainless Steel Grab Bars with Snap Flange</p> <p>Clearance from wall : 38mm</p>	<p>Barrier Free Shower – Vertical Installation</p>



NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		<p>Length : 750mm</p> <p>Material : Grab bar to be 18-1, Type-304, 18-Gauge (1.2mm) Stainless steel tubing with a satin finish and slip resistant surface.</p> <p>Mounting flanges to be 18-8, Type-304, 11-gauge (3.2mm) thick, Stainless steel plates.</p> <p>Snap Flange Covers to be 18-8, Type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish.</p> <p>Strength : 408 kg</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
GRB-4	Grab Bar	<p>Product: 32mm Diameter Stainless Steel Grab Bars with Snap Flange</p> <p>Clearance from wall : 38mm</p> <p>Length : 1000mm</p> <p>Material : Grab bar to be 18-1, Type-304, 18-Gauge (1.2mm) Stainless steel tubing with a satin finish and slip resistant surface.</p> <p>Mounting flanges to be 18-8, Type-304, 11-gauge (3.2mm) thick, Stainless steel plates.</p> <p>Snap Flange Covers to be 18-8, Type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish.</p> <p>Strength : 408 kg</p>	<p>Barrier Free Shower – Vertical and Horizontal Installation</p> 


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Supplier/Installer: Contractor supplied/ Contractor Installed	
OP-1	Operable Partitions	Product: Moveable Wall Partitions STC: 47 Panel Type: Full height marker board Size: Refer to Architectural Drawings for sizing – equal panel sizing as required to suite opening. Thickness: 76mm Frame: Roll Formed & Welded 16 Gage Steel Seals: Top: Fixed Sweep Bottom: 2" Automatic,	Teaching Centre 
PTDD-1	Paper Towel Dispenser and Disposal	Surface Mounted Paper Towel/ Waste Receptacle Supplied/Installed: Owner Supplied/ Contractor Installed	NO IMAGE
PTN-1	Toilet Partition	Product: Full Height Toilet Compartments Solid colour partitions Colour - metallic stainless steel Material: HDPE Waterproof and nonabsorbent, with self-lubricating surface, resistant to marks by pens, pencils, markers, and other writing instruments. Partition thickness: 25mm. Finish: #4 Brushed Stainless Steel Supplier/Installer: Contractor	NO IMAGE


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		supplied/ Contractor Installed	
SD-1	Soap Dispenser	Automatic Wall-Mounted Foam Soap Dispenser Supplier/Installer: Owner supplied/ Contractor Installed	NO IMAGE
SD-2	Soap Dispenser	Automatic Wall-Mounted Foam Soap Dispenser Supplier/Installer: Owner supplied/ Contractor Installed	NO IMAGE
SD-3	Recessed Soap Shelf	RESERVED Supplier/Installer: Contractor supplied/ Contractor Installed	Showers/ Locker Room
SHCU-1	Shower Curtain	Product: Vinyl Shower Curtain Materials : Curtain should be an opaque, vinyl material that is 0.2mm thick. Curtain should have HDPE grommets every 150mm. Standard of Acceptance: Bobrick Product: B-204-2 Size: To suite shower opening Colour: TBD *Provide B-204-01 shower curtain hooks Supplier/Installer: Contractor supplied/ Contractor Installed	
SHR-1	Shower Rod	Product: Heavy Duty Shower Curtain Rod with Concealed Mounting and Stainless Steel Shower Curtain Hooks Size: To suite shower opening Material : Curtain Rod to be 18-8,	

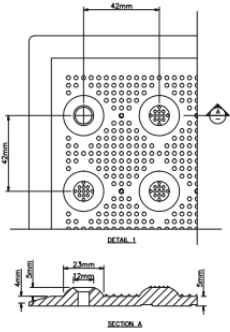
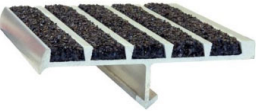
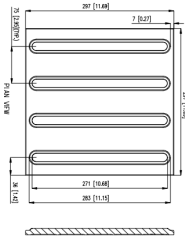
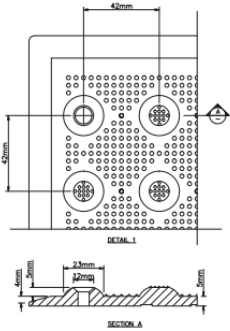
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		<p>Type-304, 20-gauge (1.0mm) stainless steel tubing with satin finish, 25mm outside diameter,</p> <p>Flanges to be 35mm diameter, chrome-plated plastic. Bright polished finish.</p> <p>Concealed mounting brackets to be Aluminum.</p> <p>Size: To suite shower opening</p> <p>Finish: Satin Finishes Stainless Steel</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
SHST-1	Shower Seat	<p>Product: Reversible Folding Shower Seat</p> <p>Seat should be durable, water-resistant, ivory-coloured 13mm thick solid phenolic.</p> <p>Frame and mounting brackets are type 304 stainless steel with satin finish, and should have self-locking mechanisms.</p> <p>Must support up to 163kg.</p> <p>Seat dimensions are 840mm wide and projects 565mm from the wall when in use.</p> <p>Standard of Acceptance: Bobrick</p> <p>Product: B-5181</p> <p>Finish: Satin stainless steel and matter antique white phenolic</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	
SND-1	Sanitary Napkin Disposal	<p>Surface-Mounted Sanitary Napkin Disposal</p> <p>Supplier/Installer: Owner supplied/</p>	NO IMAGE


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		Contractor Installed	
SND-2	Sanitary Napkin Dispenser	<p>Semi Recessed - Mounted Sanitary Napkin Dispenser Flat door design with 90° return.</p> <p>Size: 330mm W x 711mm H.</p> <p>Material: 18-8, Type-304, 18-gauge (1.2mm) stainless steel. All-welded construction</p> <p>Finish: Satin Stainless steel</p> <p>Projection: 100mm</p> <p>Operation:</p> <p>Push-Button Operation and two tumbler door locks keyed</p> <p>Capacity: Holds 30 tampons, 20 napkins</p> <p>Supplier/ Installer: Contractor supplied/ Contractor installed</p>	
TBR-1	Toilet Backrests	<p>Refer to Mechanical Schedules for Specification</p> <p>Supplier/Installer: Contractor supplied/ Contractor Installed</p>	NO IMAGE
TPH-1	Toilet Paper Holder	<p>Surface-Mounted Multi-Roll Toilet Tissue Dispenser</p> <p>Supplier/Installer: Owner supplied/ Contractor Installed</p>	NO IMAGE


NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
TWS-1	Tactile Attention Indicator	610mm x 610mm Tile Colour Contrasting Surface formed of Truncated Domes of 4mm height arranged in a square grid to conform to CSA B651-18 Article 4.3.5.3.1	
TWS-2	Stair Nosing	75 Deep x 12mm H Colour Contrast Carborundum Strips with integral mounting hooks	
TWS-3	Tactile Direction Indicator	305x305 Tile Colour Contrasting Surface formed of Truncated Bars of 4mm height and 270mm length arranged in a square grid to conform to CSA B651-18 Article 4.3.5.4.1	
TWS-4	Tactile Attention Indicator	Surface Applied 610mm Deep x Stair Width Colour Contrasting Surface formed of Truncated Dome of 4mm height arranged in a square grid to conform to CSA B651-18 Article 4.3.5.3.1	


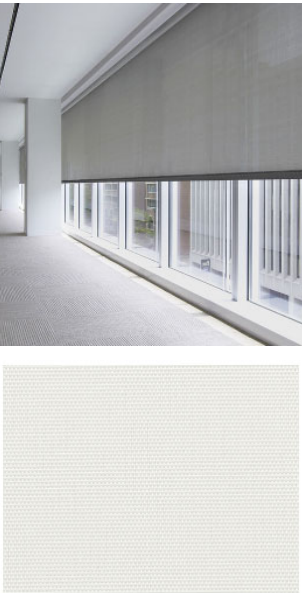
NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
LECT-1	Lectern	Metal, height adjustable, accessible base with cable pass through Finish: Ebony Black	

DIVISION 12 – FURNISHINGS

FG-1	Entrance Floor Grille	Aluminum Floor Grille 30 mm deep Aluminum Backpan 9.5 x 3 x 25mm Aluminum T-shaped Profile Bars Striated every 25mm with AntiSlip surface both directions Concealed Aluminum Integral Mounting Tracks at 100mm O.C. Bars Oriented perpendicular to travel direction Material: Aluminum Alloy 6061-T6 Mill Finish	
WTR-M-RS-1	Roller Shades - Manual	Product: Manual shades with pull chains Must have reverse roll fabric drop and concealed hembar Pull chains should be located at exterior edges of shade only. Fabric: White basket-weave design manual shade in standard pocket;	South Block 3 rd Floor New Windows

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
		<p>reverse roll fabric drop; concealed, fabric-wrapped hembar; width to cover window opening in maximum 2 sections chains to be at outside edges only, no chains in the middle Fabric: TBD Openness: 5% Casing to match CW-4 mullion finish</p>	
<p>WTR-A-RS-2</p>	<p>Roller Shades - Motorized</p>	<p>Product: Concealed Motorized Roller Shade Scrim Product: MagnaShade by Mecho; Must include stiffened concealed hembar, channel tracks in jamb and sill, and base channel to receive and lock stiffened concealed hembar; Casing to match CW-1 mullion finish Fabric: White basket-weave design Openness: 5%</p>	<p>Ground Floor Kent St Façade Privacy Screen</p> 

NOTE: The application / location for the materials indicated is not limited to the list below and is to be used in conjunction with and may be supplemented by the Specifications, Schedules, and Drawings. Refer to Specifications, Schedules, and Drawings for full extent of material application and additional material types.

CODE	ITEM	DESCRIPTION	APPLICATION / LOCATION
WTR-M-RS-3	Roller Shades – Strip Windows	Product: Manual shades with pull chains Must have reverse roll fabric drop and concealed hembar Fabric: White basket-weave design Surface mounted manual shade; reverse roll fabric drop; concealed, fabric-wrapped hembar; Openness: 5%	Strip Windows

END OF SECTION

~~27 May~~ **26 Jul** 2022**Part 1 General****1.1 REFERENCE STANDARDS**

- .1 ASTM International (ASTM)
 - .1 ASTM C109/C109M-21, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. (50-mm) Cube Specimens)
 - .2 ASTM C348- 21, Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars
 - .3 ASTM C469/C469M-14e1, Standard Test Method for Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression.
 - .4 ASTM C496/C496M-17 Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens
 - .5 ASTM C596-18, Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement
 - .6 ASTM C666/C666M-15, Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing
 - .7 ASTM C779/C779M-19, Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces
 - .8 ASTM C1059/C1059M-21, Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete
 - .9 ASTM C1202-19, Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration
- .2 Canadian Environmental Protection Act (CEPA), 2012
- .3 Green Building Initiative (GBI) Canada
 - .1 Green Globes Canada Design for New Construction and Major Retrofits v.2, <http://www.greenglobes.com>
- .4 International Concrete Repair Institute (ICRI)
 - .1 ICRI Concrete Repair Terminology 2010.
- .5 Transport Canada (TC)
 - .1 Transportation of Dangerous Goods Act (TDGA), 1992, c. 34, with Memorandum D19-13-5.

1.2 DEFINITIONS

- .1 Application Specialist: An individual who performs surface preparation and application of protective coatings and linings to steel and concrete surfaces of complex industrial structures.
- .2 Additional definitions: as per ICRI Concrete Repair Terminology.

1.3 SECTION INCLUDES

- .1 Labour, Products, equipment and services necessary to complete the work of this Section for concrete restoration including the following:
 - .1 Sump pit repair including: surface preparation, chipping and breaking out all deteriorated, spalled and delaminated concrete, defective cold joints, sandblasting, repair of exterior surfaces of interior sump pit walls, and the surface repair by filling of voids, cracks and rebuilding of surface profiles. Include in the Contract Price the entire repair of the sump pit walls as a lump sum item.
 - .2 Include in the Contract Price ~~1,500~~ **750** square meters of Surface Repair Type A as defined in Surface Repair Types below.
 - .3 Include in the Contract Price ~~500~~ **250** square meters of Surface Repair Type B as defined in Surface Repair Types below.
 - .4 Include in the Contract Price 1,000 linear meters of Surface Repair Type C as defined in Surface Repair Types below.
 - .5 Include in the Contract Price 500 square meters of Surface Repair Type D as defined in Surface Repair Types below.
 - .6 Include in the Contract Price 750 square meters of Shallow Repair Type E as defined in Surface Repair Types below.**
 - .7 Include in the Contract Price 250 square meters of Full Depth Repair Type F as defined in Surface Repair Types below.**

1.4 UNIT PRICES AND PAYMENT PROCEDURES

- .1 The quantities shown above for Surface Repair Type A, B, C, ~~and D~~, **E and F** are estimated. The work will be measured on site and will be paid based on the actual quantities and the unit prices stated in the Bid and Acceptance Form.
- .2 The Contract Price will be adjusted according to the actual final quantities.

1.5 ADMINISTRATIVE REQUIREMENTS

- .1 Site Visit: Schedule a site visit with Departmental Representative to examine existing site conditions

1.6 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for compounds and include product characteristics, performance criteria, physical properties, finish and limitations.
- .3 Submit WHMIS Safety Data Sheet (SDS) in accordance with Section 01 47 15 - Sustainable Requirements: Construction.
 - .1 Submit 2 copies of SDS.
- .4 Submit a proposed work plan for approval by Departmental Representative. Work plan to include a list of products and materials and proposed plan to be implemented to perform the work, including methodology and sequence of construction.

~~27 May~~ **26 Jul** 2022

- .5 Provide Shop Drawings showing area, extent and type of repairs.
- .6 Sustainable Design Submittals:
 - .1 Submittals: In accordance with Section 01 47 15 Sustainable Requirements: Construction.
 - .2 Low-emitting materials: Interior site-applied Paints and Coatings
 - .1 Submit product data/SDS sheets for VOC emitting materials that clearly identifies the VOC content for compliance with Green Globes.

1.7 CLOSEOUT SUBMITTALS

- .1 Submit in accordance with Section 01 78 00 – Closeout Submittals.

1.8 QUALITY ASSURANCE

- .1 Manufacturer's Instructions: submit manufacturer's application instructions and special handling criteria, cleaning procedures.

1.9 EXISTING CONDITIONS

- .1 Examine Site conditions and existing surfaces to be restored.
- .2 Apply exterior base and finish coatings during dry weather and when imminent weather forecast is favorable for proper application and curing in accordance with manufacturer's recommendations.

Part 2 Products

2.1 MATERIALS

- .1 Patching compound (for 6-50 mm horizontal and 6-25 mm for vertical applications): fast setting, non-shrink, premixed, requiring addition of water only, free of wax, metal, tar, emulsion and calcium chloride.
 - .1 Compressive strength: to ASTM C109/C109M, 24 MPa at 24 h and 44 MPa at 28 days.
 - .2 Flexural strength: to ASTM C348, 6.8 MPa at 7 days, 8.5 MPa at 28 days.
 - .3 Modulus of elasticity: to ASTM C469/C469M, 1.5 x 10 MPa at 28 days.
- .2 Patching compound (for 6-25 mm horizontal applications): fast setting, non-shrink, one component, polymer modified cementitious based, repair mortar.
 - .1 Compressive strength: to ASTM C109/C109M, 17.4 MPa at 1 day; 38.2 MPa at 7 days; 52.1 MPa at 28 days.
 - .2 Flexural strength: to ASTM C348, 5.6 MPa at 1 day; 6.9 MPa at 7 days; 10.4 MPa at 28 days.
 - .3 Splitting tensile strength: to ASTM C496/C496M, 2.6 MPa at 1 day; 3.1 MPa at 7 days; 4.2 MPa at 28 days.
 - .4 Bond strength: to ASTM C1059/C1059M, 6.8 MPa at 1 day; 12.1 MPa at 7 days; 17.7 MPa at 28 days.
 - .5 Drying shrinkage: to ASTM C596, 28 day -0.093%.

- .6 Rapid chloride permeability: to ASTM C1202, 28 day - 365/very low.
- .7 Abrasion Resistance: to ASTM C779/C779M, (Procedure A), depth of wear 0.419 mm/hour.
- .3 Bonding agent: acrylic polymer emulsion formulated for bonding new concrete to cured concrete, non-yellowing, water based, compatible with or recommended by patching compound manufacturer.
 - .1 Compressive strength: to ASTM C109/C109M, 31 MPa at 28 days.
 - .2 Flexural strength: to ASTM C348, 12.4 MPa at 28 days.
- .4 Corrosion Inhibitor: to ASTM C1582
- .5 Non-shrink flowable self-consolidating concrete: to ASTM C138, ASTM C1437, 1 Day 50 MPa, 7 days 55 MPa, 28 days 70 MPa.

2.2 EQUIPMENT

- .1 Pneumatically operated scabbler with high-speed tungsten carbide tipped pistons to pulverize protective coatings, laitance, and concrete substrate in a single process, leaving surface clean with uniformly keyed texture, ready to receive new toppings and overlays and the following:
 - .1 Production rate: 1.9-2.8 m²/hour at 1.6 mm surface removal.
 - .2 Size: 305 mm long x 150 mm wide x 305 mm high.
 - .3 Air consumption: 1.7 m³/min.
 - .4 Vacuum flow:
 - .1 Interfaceable with self-cleaning, high efficiency HEPA filtered vacuum.
- .2 Mobile, high performance HEPA Vacuum/Drumming System as follows:
 - .1 Two-stage positive filtration of hazardous particles.
 - .1 First stage: Automatic self-cleaning by reverse-flow pulses of high pressure air. Efficiency of 95% at 1 micron.
 - .2 Second stage: HEPA efficiency of 99.7% at 0.3 microns.
 - .2 Controlled-seal drum fill system to allow filling, sealing, removal and waste drum replacement under controlled vacuum system.
 - .3 Automatic, full-drum level alarm.

Part 3 Execution

3.1 SURFACE PREPARATION

- .1 Remove protective coatings using pneumatically operated scabbler and HEPA vacuum / drumming system.
 - .1 Handle and dispose of hazardous materials in accordance with CEPA, TDGA, Regional and Municipal regulations.
 - .2 Remove drums from site and dispose of in accordance with the Federal, Provincial, and municipal regulations.

~~27 May~~ **26 Jul** 2022

- .2 Remove loose, spalled, cracked, eroded and disintegrated concrete to solid surface, 9 mm minimum depth.
- .3 Chisel under perimeter of areas to be patched.
- .4 Sandblast loose rust and scale from exposed steel surfaces.
- .5 Utilize dustless decontamination and surface preparation system for scabbling concrete floors and slabs.
- .6 Clean area of loose material, dirt, oil and scale.
- .7 Clean cracks 6 mm thick or wider with pressurized water jet or sandblasting.
- .8 Chip and break out all deteriorated concrete, previous repairs that are delaminated, existing delamination and defective cold joints to sound concrete.
- .9 Chip concrete away from exposed rusted surfaces of reinforcing bars, chipping to extend for a distance of about 150 mm along the bars beyond evident rusting.
- .10 Rout out wall cracks wider than 1 mm to a minimum width and depth of 6 mm and clean free of dust and debris, for subsequent filling (after sandblasting).

3.2 SANDBLASTING

- .1 Provide temporary enclosure as required to limit contamination to within the boundaries of the work site. Do not pollute water with overspray.
- .2 Exterior surfaces of sump-pit walls including cracks and joints shall be "Brush-off-blast cleaned" to remove visible oil, grease, dirt, dust, loose concrete, loose rust, and paint by compressed air nozzle sandblasting. Tightly adherent mill scale and rust may remain on the surface.
- .3 Use suitable sandblasting equipment for heavy duty type with proper nozzles to provide adequate air pressure and volume to efficiently and effectively prepare the surface.
- .4 Protect doors, and other areas and appurtenances either inserted in or adjoining the concrete being sandblasted all times. Contractor is responsible for making good any damage at their own expense.
- .5 Remove all contaminated sand from the site and dispose of to an appropriate off-site facility identified by Contractor and approved by Departmental Representative.

3.3 MIXING

- .1 Patching Compound:
 - .1 Mix components in accordance with manufacturer's written instructions.
 - .2 Use drill mixer to mechanically mix components. Ensure components are thoroughly mixed.
 - .1 Add up to 6.8 kg of aggregate to 25 kg bag of patching compound for large cavities and patches in excess of 25 mm thick.
 - .3 Apply mix immediately.
 - .4 Dispose of unused mix immediately, do not retemper.
- .2 Base Coating:
 - .1 Perform coating in accordance with manufacturer's written instructions.

~~27 May~~ **26 Jul** 2022

- .2 Mix 1 part bonding agent to 3 parts water.
- .3 Add bonding mixture to base coating and mix to cement mortar consistency with 50 to 76 mm slump.

3.4 SURFACE REPAIRS – GENERAL

- .1 Rebuild surface profile following surface preparation, previously described, and fill with patching compound and bonding agent.
- .2 Install repair material in accordance with manufacturer's written instructions.
- .3 Mix patching compound to batter consistency and apply by brush over dampened concrete within patching area.
- .4 Slush mix over old concrete within patching area with brush coat before filling patch with heavier, trowel coat of patching compound.
- .5 Place and level patching compound within five to ten minutes after mixing water is added.
- .6 Apply mix in successive 12 mm to 25 mm layers.
 - .1 Scratch first layer, cool with water and apply second layer within 15 to 20 minutes.
- .7 Sponge float surface. If patch gets hot and turns light grey, cool by wetting. Keep patch damp 30 to 45 minutes after filling.
- .8 Repair scaled or spalled concrete and missing corners deeper or greater than 6 mm with patching compound and bonding agent to render a regular flush surface.
 - .1 When rebuilding projecting concrete, such as cracked caps, key into existing concrete by means of edge cutting at a minimum depth of 20 mm.
- .9 Protect other trades work and/or other prepared surfaces from patching material spills.
- .10 Execution steps defined in this section are applicable to all surface repair types described below.

3.5 SURFACE REPAIR TYPES

- .1 Surface Repair Type A – shallow repair
 - .1 Remove all unsound concrete to a depth not greater than top of the existing reinforcing steel until sound concrete substrate is exposed.
 - .1 Saw-cut surface perimeter to remove all deteriorated and loose concrete from slab surface.
 - .2 Extend chipping along member to remove until sound concrete is encountered.
 - .3 Clean and repair concrete surface in spalled area after removal of loose concrete. Apply bonding agent following manufacturer's instructions.
 - .4 Fill cavity with patching compound.
 - .5 Trowel finish and wet cure patching compound.

~~27 May~~ **26 Jul** 2022

- .2 Surface Repair Type B – horizontal repair
 - .1 Remove all unsound concrete to a depth of 25 mm beyond existing rebars. For slab repair maximum depth shall be mid depth of the slab.
 - .1 Saw-cut surface perimeter to remove all deteriorated and loose concrete from slab surface.
 - .2 Chip and remove concrete to the extents where the reinforcement is exposed and no longer corroded. Extend chipping concrete minimum 25mm beyond rebars.
 - .3 Clean exposed corroded reinforcing steel bars by method of sandblasting.
 - .4 Clean and prepare concrete surface in spalled area. Apply bonding agent following manufacturer's instructions.
 - .5 Have rebars inspected by Departmental Representative before proceeding with further repairs.
 - .6 Add reinforcement bars where excessive loss of section is determined by the Department Representative
 - .7 Restore with non-shrink flowable self-consolidating concrete with corrosion inhibitor. Minimum concrete thickness to comply with manufacturer's specifications.
- .3 Surface Repair Type C – crack repair
 - .1 Do work in accordance with drawings and Manufacturer instructions.
 - .2 Repair cracks and joints whether or not they are leaking or are dry, full length.
 - .3 Remove concrete from cracks and joints. Saw cut edges. Make concrete removals minimum 38 mm deep. Make concrete removals deeper as necessary to reach sound concrete and to repair and clean reinforcing steel. Width of concrete removal shall be sufficient for concealment of injection ports and for permanent bonding of repair mortar.
 - .4 Cut out existing visible injection ports to minimum 38 mm deep and deeper where necessary to affect water-tight seal.
 - .5 Prepare and protect reinforcing steel from corrosion.
 - .6 Install by injection, waterproofing crack/joint filler into cracks, joints and injection ports. Use sufficient material to ensure cracks, joints and injection ports are completely filled and sufficient material flowout occurs on other side in case of through cracks. Make injection ports concealed in the finished work.
 - .7 When waterproofing crack/joint filler has set and the crack/joint assessed as being dry, install structural resin continuous to crack/joint and to injection ports.
 - .8 Fill cut out areas full with repair concrete system. Ensure no air pockets. Make face of repair flush and in plane with concrete surface.
 - .9 Remove all stains, leakage residue, previously installed injection residue from floors.
- .4 Surface Repair Type D – vertical repair
 - .1 Saw-cut surface perimeter to remove all deteriorated/loose concrete from wall surface.

~~27 May~~ **26 Jul** 2022

- .2 Chip and remove unsound concrete from surface until sound concrete substrate is exposed.
- .3 If reinforcing bars are exposed, clean exposed corroded reinforcing steel bars by method of sandblasting.
- .4 Provide 25 mm clearance around all exposed reinforcing bars.
- .5 Clean and prepare concrete surface in spalled area. Apply bonding agent per manufacturer's instruction.
- .6 Have rebars inspected by departmental representative before concrete placement.
- .7 Add reinforcement bars where excessive loss of section is determined by the Department Representative
- .8 All vertical repair requires shoring, maintain shoring until repair material has attained 75% of specified concrete strength.
- .9 Restore with patching compound . Minimum concrete thickness to comply with manufacturer's specifications.

.5 Shallow Depth Repair Type E at Bottom of Slab

- .1 Provide temporary support for any existing services, pipes, ducts, etc where necessary.**
- .2 Provide temporary shoring to slab and barricade around effected area.**
- .3 Remove all unsound concrete to a depth of 25 mm beyond existing rebars. For slab repair maximum depth shall be mid depth of the slab.**
- .4 Saw-cut surface perimeter to remove all deteriorated and loose concrete from slab surface.**
- .5 Chip and remove concrete to the extents where the reinforcement is exposed and no longer corroded. Extend chipping concrete minimum 25mm beyond rebars.**
- .6 Clean exposed corroded reinforcing steel bars by method of sandblasting.**
- .7 Clean and prepare concrete surface in spalled area. Apply bonding agent following manufacturer's instructions.**
- .8 Have rebars inspected by Departmental Representative before proceeding with further repairs.**
- .9 Provide formwork to safely support concrete repair.**
- .10 Add reinforcement bars where excessive loss of section is determined by the Department Representative**
- .11 Restore with non-shrink flowable self-consolidating concrete with corrosion inhibitor. Minimum concrete thickness to comply with manufacturer's specifications.**

.6 Full Depth Repair Type F

- .1 Provide temporary support for any existing services, pipes, ducts, etc where necessary.**
- .2 Provide temporary shoring to slab and barricade around effected area.**
- .3 Sawcut perimeter of repair area, chip remove spalled concrete to full depth to expose slab reinforcing bars that is not corroded. Cut corroded slab rebars exposing unaffected rebar length to facilitate splicing new rebars.**

~~27 May~~ **26 Jul** 2022

- .4 Clean exposed corroded rebars by method of sand blasting.**
- .5 Clean and repair concrete surface in spalled area. Apply bonding agent following manufacturer's instructions.**
- .6 Have rebars inspected by Departmental Representative before proceeding with further repair.**
- .7 Add reinforcement bars where excessive loss of section is determined by departmental representative.**
- .8 Provide formwork to safely support concrete repair.**
- .9 Restore with non-shrink flowable self-consolidating concrete with corrosion inhibitor.**
- .10 Areas where concrete surface repair is required at both top and bottom shall be considered as full depth repair.**

3.6 FINISH COATING INTERIOR APPLICATION

- .1 Prepare interior surface by sanding to remove loose paint, efflorescence and heavy rust to staining adequate substrate.
- .2 Patch holes and spalls with patching compound.
- .3 Rout out and fill prepared cracks with patching compound.
- .4 Protect equipment with drop sheets.
- .5 Brush or roll on two coats, total coverage 4.0 m² /1 in accordance with manufacturer's written instructions. Coat interior wall and ceiling surfaces with white finish coating. Allow minimum 3 to 4 hours wait between coats.
- .6 Coat interior wall and ceiling surfaces with white finish coating.
- .7 Allow minimum 3 to 4 hours wait between coats.

3.7 SEALANT INSTALLATION

- .1 Clean and dry joints before work starts.
- .2 Insert joint filler where applicable to a depth of 1/2 joint width, minimum of 6 mm.
- .3 Prime joints when recommended by sealant manufacturer.
- .4 Apply sealant in accordance with manufacturer's instructions.
- .5 Make surfaces smooth and concave.

3.8 INSPECTION

- .1 Departmental Representative will inspect work for:
 - .1 Adherence to specific procedures and materials
 - .2 Final cleanliness and completion.
- .2 No additional costs will be allowed by Contractor for additional labour or materials required to provide specified performance level.

3.9 CLEANING

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

~~27 May~~ **26 Jul** 2022

- .2 Leave work area clean at end of each working day.
- .3 Dispose of waste in accordance with applicable Federal, Provincial, and municipal regulations.
- .4 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 - Cleaning.
- .5 Waste Management: Adhere to the requirements of the Construction Waste Management plan as per Section 01 74 19 Construction Waste Management and Disposal.

3.10 PROTECTION OF COMPLETED WORK

- .1 Protect adjacent finished work against damage which may be caused by on-going work.

END OF SECTION