

Specifications

GREEN GABLES-PHASE 2

**NEW VISITORS CENTRE
CANADA
QUEENS CO., PEI**

PSPC PROJECT NO. R.081199.001

SECTION	TITLE	PAGES
Division 00 - List of Contents and Drawings		
00 11 10	LIST OF CONTENTS	6
00 11 10.01	LIST OF DRAWINGS	3
Division 01 - General Requirements		
01 14 00	WORK RESTRICTIONS	3
01 29 83	PAYMENT PROCEDURES FOR TESTING LABORATORY SERVICES	1
01 31 19	PROJECT MEETINGS	3
01 32 16.07	CONSTRUCTION PROGRESS SCHEDULE BAR (GANTT) CHART	3
01 33 00	SUBMITTAL PROCEDURES	6
01 35 13.13	SPECIAL PROCEDURES FOR NATIONAL HISTORIC SITES	2
01 35 21	LEED® REQUIREMENTS	11
	- LEED® SCORECARD	2
01 35 22	LEED® INFORMATION SUBMITTAL FORMS	3
01 35 29.06	HEALTH AND SAFETY REQUIREMENTS	4
01 35 43	ENVIRONMENTAL PROCEDURES	8
01 41 00	REGULATORY REQUIREMENTS	1
01 45 00	QUALITY CONTROL	4
01 47 18	INDOOR AIR QUALITY - CONSTRUCTION	7
01 51 00	TEMPORARY UTILITIES	4
01 52 00	CONSTRUCTION FACILITIES	5
01 56 00	TEMPORARY BARRIERS AND ENCLOSURES	2
01 61 00	COMMON PRODUCT REQUIREMENTS	6
01 71 00	EXAMINATION AND PREPARATION	3
01 73 00	EXECUTION	3
01 74 11	CLEANING	3
01 74 21	CONSTRUCTION/DEMOLITION WASTE MANAGEMENT AND DISPOSAL	12
01 77 00	CLOSEOUT PROCEDURES	1
01 78 00	CLOSEOUT SUBMITTALS	10
01 79 00	DEMONSTRATION AND TRAINING	2
01 91 13	GENERAL COMMISSIONING REQUIREMENTS	12
01 91 14	MECHANICAL SYSTEMS COMMISSIONING	15
01 91 15	ELECTRICAL SYSTEMS COMMISSIONING	5
01 91 31	COMMISSIONING PLAN	7
01 91 34	MECHANICAL TESTING REQUIRMENTS	8
01 91 35	MECHANICAL PREFUNCTIONAL CHECKLIST	1
01 91 36	SAMPLE FUNCTIONAL TEST PROCEDURES MECHANICAL	1
01 91 36A	HEAT RECOVERY VENTILATOR (HRV) FUNCTIONAL TEST	3
01 91 36B	DOMESTIC HOT WATER HEATER	3
01 91 36C	AIR SOURCE HEAT PUMP	3
01 91 38	ELECTRICAL TESTING REQUIRMENTS	4
01 91 39	ELECTRICAL PREFUNCTIONAL CHECKLISTS	1

SECTION	TITLE	PAGES
01 91 39A	POWER DISTRIBUTION SYSTEM PREFUNCTIONAL	6
01 91 39B	LIGHTING AND LIGHTING CONTROL SYSTEMS PREFUNCTIONAL	4
01 91 39C	BASEBOARD HEATERS	3
01 91 40	SAMPLE FUNCTIONAL TEST PROCEDURES ELECTRICAL	1
01 91 40A	POWER DISTRIBUTION SYSTEM	2
01 91 40B	LIGHTING CONTROLS FUNCTIONAL TEST	3
Division 02 - Existing Conditions		
02 41 13	SITework DEMOLITION	7
Division 03 - Concrete		
03 10 00	CONCRETE FORMS AND ACCESSORIES	5
03 20 00	CONCRETE REINFORCING	4
03 30 00	CAST-IN-PLACE CONCRETE	12
03 35 00	CONCRETE FINISHING	9
Division 05 - Metals		
05 50 00	METAL FABRICATIONS	11
05 51 00	METAL RAILINGS	7
05 73 13	GLAZED DECORATIVE METAL RAILINGS	11
Division 06 - Wood, Plastics and Composites		
06 10 00	ROUGH CARPENTRY	12
06 15 29	NAIL-LAMINATED TIMBER	8
06 17 53	PRE-FABRICATED WOOD TRUSSES	5
06 18 00	GLUE-LAMINATED CONSTRUCTION	9
06 20 00	FINISH CARPENTRY	7
06 40 00	ARCHITECTURAL WOODWORK	14
Division 07 - Thermal and Moisture Protection		
07 05 27.01	COMMON WORK RESULTS FOR AIR BARRIERS AND VAPOUR RETARDERS	9
07 13 52	MODIFIED BITUMINOUS SHEET WATERPROOFING	10
07 21 13	BOARD INSULATION	9
07 21 16	BLANKET INSULATION	5
07 21 19	FOAMED-IN-PLACE INSULATION	6
07 27 00.01	AIR BARRIERS AND VAPOUR RETARDERS	23
07 31 29	WOOD SHINGLES AND SHAKES	11
07 42 29	CERAMIC WALL PANELS	10
07 42 43	COMPOSITE WOOD VENEER WALL PANELS	13
07 42 43.01	COMPOSITE ALUMINUM PANELS	10
07 52 00	MODIFIED BITUMINOUS MEMBRANE ROOFING	19
07 61 00	SHEET METAL ROOFING	12

SECTION	TITLE	PAGES
07 62 00	SHEET METAL FLASHING AND TRIM	10
07 84 00	FIRE STOPPING	10
07 92 00	JOINT SEALANTS	12
Division 08 - Openings		
08 11 00	METAL DOORS AND FRAMES	14
08 14 16	FLUSH WOOD DOORS	8
08 31 00	MECHANICAL ACCESS DOORS	3
08 35 16	SIDE FOLDING GRILLES	7
08 42 29	AUTOMATIC ENTRANCES	15
08 44 13	GLAZED ALUMINUM FRAMING SYSTEMS	27
08 63 25	FIXED-CURB METAL-FRAMED SKYLIGHTS	8
08 71 00	DOOR HARDWARE	12
08 80 50	GLAZING	13
Division 09 - Finishes		
09 21 16	GYPSON BOARD ASSEMBLIES	12
09 30 13	CERAMIC TILING	11
09 51 99	ACOUSTICAL CEILINGS FOR MINOR WORKS	8
09 65 19	RESILIENT TILE FLOORING	7
09 68 13	TILE CARPETING	13
09 91 00	PAINTING	13
Division 10 - Specialties		
10 14 00	SIGNAGE	7
10 14 54	SITE SIGNAGE	4
10 21 13.19	PLASTIC TOILET COMPARTMENTS	10
10 26 00	IMPACT RESISTANT WALL PROTECTION	8
10 28 10	TOILET AND BATH ACCESSORIES	7
10 75 00	FLAGPOLES	5
Division 21 - Fire Suppression		
21 13 13	WET PIPE SPRINKLER SYSTEM	12
21 13 16	DRY PIPE SPRINKLER SYSTEMS	8
Division 22 - Plumbing		
22 05 00	PLUMBING GENERAL REQUIREMENTS	10
22 10 10	PLUMBING PUMPS	2
22 11 16	DOMESTIC WATER PIPING - COPPER6	
22 13 17	DRAINAGE WASTE AND VENT PIPING	3
22 13 18	DRAINAGE WASTE & VENT PIPING - PLASTIC	2
22 30 05	DOMESTIC WATER HEATERS	3

SECTION	TITLE	PAGES
22 42 00	COMMERCIAL PLUMBING FIXTURES	3
22 42 01	PLUMBING SPECIALTIES AND ACCESSORIES	6
Division 23 - Heating, Ventilating and Air-Conditioning (HVAC)		
23 05 01	MECHANICAL GENERAL REQUIREMENTS	7
23 05 05	INSTALLATION OF PIPEWORK	5
23 05 20	THERMOMETERS AND PRESSURE GAUGES	3
23 05 29	BASES, HANGERS AND SUPPORTS	7
23 05 53	MECHANICAL IDENTIFICATION	6
23 05 95	TESTING, ADJUSTING AND BALANCING	6
23 07 13	THERMAL INSULATION FOR DUCTING	6
23 07 19	THERMAL INSULATION FOR PIPING	8
23 23 00	REFRIGERANT PIPING	5
23 31 13	METAL DUCTS - LOW PRESSURE TO 500 PA	6
23 31 14	UNDERGROUND DUCTS - LOW PRESSURE TO 500 PA	3
23 32 48	SOUND ATTENUATION	2
23 33 00	DUCT ACCESSORIES	4
23 33 14	DAMPERS - BALANCING	2
23 33 15	DAMPERS - OPERATING	3
23 33 16	DAMPERS - FIRE AND SMOKE	4
23 33 46	FLEXIBLE DUCTWORK	2
23 34 00	COMMERCIAL FANS, VENTILATORS	6
23 37 13	DIFFUSERS, REGISTERS AND GRILLES	2
23 37 20	LOUVRES, INTAKES AND VENTS	2
23 55 01	DUCT HEATERS	3
23 73 10	HEAT RECOVERY VENTILATION UNITS	6
23 81 40	HEAT PUMPS	8
Division 25 - Integrate Automation		
25 01 11	EMCS: START UP	7
25 01 12	EMCS: TRAINING	2
25 05 01	EMCS: GENERAL REQUIREMENTS	8
25 05 02	EMCS: SUBMITTALS AND REVIEW PROCESS	7
25 05 03	EMCS: PROJECT RECORD DOCUMENTS	3
25 05 54	EMCS: IDENTIFICATION	3
25 05 60	EMCS: FIELD INSTALLATION	8
25 08 20	EMCS: WARRANTY AND MAINTENANCE	4
25 10 01	EMCS: LOCAL AREA NETWORK(LAN)	2
25 10 02	EMCS: OPERATOR WORK STATION(OWS)	1
25 30 01	EMCS: BUILDING CONTROLLERS	11
25 30 02	EMCS: FIELD CONTROL DEVICES	15
25 30 03	EMCS: VARIABLE FREQUENCY DRIVES (TO 600 VOLTS)	6

SECTION	TITLE	PAGES
25 90 01	EMCS: SITE REQUIREMENTS AND APPLICATIONS	7
Division 26 - Electrical		
26 05 00	COMMON WORK RESULTS FOR ELECTRICAL	10
26 05 01	ELECTRICAL IDENTIFICATION	10
26 05 20	WIRE AND BOX CONNECTORS(0-1000V)	1
26 05 21	WIRES AND CABLES(0-1000v)	7
26 05 22	CONNECTORS AND TERMINATIONS	2
26 05 28	GROUNDING - SECONDARY	4
26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	3
26 05 31	SPLITTERS, JUNCTION, PULL BOXES AND CABINETS	4
26 05 32	OUTLET BOXES, CONDUIT BOXES AND FITTINGS	3
26 05 34	CONDUITS, CONDUIT FITTINGS AND FASTENINGS	8
26 09 23	DIGITAL METERING SYSTEM	8
26 24 02	SERVICE ENTRANCE BOARD	6
26 24 17	PANELBOARDS BREAKER TYPE	3
26 27 26	WIRING DEVICES	4
26 28 21	MOULDED CASE CIRCUIT BREAKERS	3
26 29 10	MOTOR STARTERS TO 600V	4
26 50 00	LIGHTING EQUIPMENT	5
26 50 05	LIGHTING CONTROL SYSTEMS	18
26 52 01	EQUIPMENT FOR EMERGENCY LIGHTING	3
26 53 00	EXIT SIGNS	2
Division 27 - Communications		
27 05 13	STRUCTURED CABLING FOR COMMUNICATIONS SYSTEMS	12
27 05 28	PATHWAYS FOR COMMUNICATIONS SYSTEMS	2
Division 28 - Electronic Safety and Security		
28 16 00	INTRUSION DETECTION	4
28 31 00	MULTIPLEX FIRE ALARM SYSTEM	11
Division 31 - Earthwork		
31 10 00	CLEARING & GRUBBING	4
31 15 53	EROSION/SEDIMENT CONTROL MEASURES	2
31 23 11	EXCAVATING, TRENCHING AND BACKFILLING	15
31 23 13	ROUGH GRADING	3
31 26 13	RESHAPING SUBGRADE	2
31 32 19.01	GEOTEXTILES	3
Division 32 - Exterior Improvements		
32 01 16	REMOVAL OF EXISTING ASPHALT	2
32 11 23	GRANULAR BASE	3

PSPC
Green Gables-Phase 2
New Visitors Centre
Queens Co., PEI
Project No. R.081199.001

Section 00 11 10
LIST OF CONTENTS

Page 6 of 6

SECTION	TITLE	PAGES
32 12 16	HOT MIX ASPHALT	4
32 13 13	SITWORK CONCRETE	13
32 14 13	PRECAST CONCRETE UNIT PAVING	8
32 32 35	PRECAST CONCRETE UNIT MASONRY WALLS	6
32 37 00	MISCELLANEOUS SITWORK CONSTRUCTION	7
32 91 19.13	TOPSOIL PLACEMENT AND FINISH GRADING	7
32 92 19.16	HYDRAULIC SEEDING	6
32 92 23	SODDING	6
32 93 10	PLANTING OF TREES, SHRUBS & GROUNDCOVER	8
Division 33 - Utilities		
33 11 17	WATER MAINS	4
33 31 13	SANITARY SEWERS	7
33 39 00	MANHOLES, CATCH BASINS AND STRUCTURES	3
33 41 00	STORM UTILITY DRAINAGE PIPING	5
33 46 16	SUB-DRAINAGE PIPING	3
33 71 20	ELECTRICAL POLE LINES AND HARDWARE	4
Division 48 - Electrical Power Generation		
48 14 13	SOLAR ENERGY COLLECTORS	3

END OF SECTION

Architectural

A01	ARCHITECTURAL FLOOR PLAN
A02	ARCHITECTURAL REFLECTED CEILING PLAN, FINISH AND DOOR SCHEDULE
A03	ARCHITECTURAL ROOF PLAN
A04	ARCHITECTURAL ELEVATIONS
A05	ARCHITECTURAL PARTIAL ELEVATIONS AND WINDOW SCHEDULE
A06	ARCHITECTURAL BUILDING SECTIONS AND WALL SECTIONS
A07	ARCHITECTURAL ENLARGED FLOOR PLANS
A08	ARCHITECTURAL INTERIOR ELEVATIONS
A09	ARCHITECTURAL INTERIOR ELEVATIONS
A10	ARCHITECTURAL WALL SECTIONS
A11	ARCHITECTURAL WALL SECTIONS
A12	ARCHITECTURAL WALL SECTIONS
A13	ARCHITECTURAL WALL SECTIONS
A14	ARCHITECTURAL WALL SECTIONS
A15	ARCHITECTURAL WALL SECTIONS
A16	ARCHITECTURAL WALL SECTIONS
A17	ARCHITECTURAL PLAN DETAILS
A18	ARCHITECTURAL PLAN DETAILS
A19	ARCHITECTURAL PLAN DETAILS
A20	ARCHITECTURAL PLAN DETAILS
A21	ARCHITECTURAL SECTION DETAILS
A22	ARCHITECTURAL SECTION DETAILS
A23	ARCHITECTURAL SECTION DETAILS
A24	ARCHITECTURAL SECTION DETAILS
A25	ARCHITECTURAL MILLWORK ELEVATIONS, MISCELLANEOUS DETAILS
A26	ARCHITECTURAL MILLWORK ELEVATIONS, MISCELLANEOUS DETAILS

Civil/Landscaping

C01	CIVIL/LANDSCAPING EXISTING CONDITIONS
C02	CIVIL/LANDSCAPING REMOVALS PLAN SOUTH
C03	CIVIL/LANDSCAPING REMOVALS PLAN NORTH
C04	CIVIL/LANDSCAPING GRADING PLAN SOUTH
C05	CIVIL/LANDSCAPING GRADING PLAN NORTH
C06	CIVIL/LANDSCAPING LAYOUT PLAN SOUTH
C07	CIVIL/LANDSCAPING LAYOUT PLAN NORTH
C08	CIVIL/LANDSCAPING PARKING EXTENSION GRADING AND LAYOUT PLANS
C09	CIVIL/LANDSCAPING BUILDING POSITIONING AND LAYOUT PLANS ENLARGEMENT
C10	CIVIL/LANDSCAPING PLANTING AND SIGNAGE PLAN SOUTH
C11	CIVIL/LANDSCAPING PLANTING AND SIGNAGE PLAN NORTH
C12	CIVIL/LANDSCAPING ENTRANCE ROAD REMOVALS, GRADING AND LAYOUT PLANS
C13	CIVIL/LANDSCAPING SITEWORK DETAILS 1

Civil/Landscaping (continued)

C14 CIVIL/LANDSCAPING SITEWORK DETAILS 2
C15 CIVIL EROSION AND SEDIMENT CONTROL
C16 CIVIL UTILITY REMOVALS
C17 CIVIL SITE SERVICES SOUTH
C18 CIVIL SITE SERVICES NORTH
C19 CIVIL ROUTE 6 IMPROVEMENTS AND ENTRANCE DRIVEWAY IMPROVEMENTS
C20 CIVIL DETAILS

Mechanical

F01 MECHANICAL FIRE PROTECTION FLOOR PLAN
M01 MECHANICAL HVAC FLOOR PLAN
M02 MECHANICAL REFRIGERATION AND CONTROLS PLAN
M03 MECHANICAL HVAC SCHEDULES
M04 MECHANICAL CONTROL SCHEMATICS
M05 MECHANICAL HVAC DETAILS AND CONTROLS
P01 PLUMBING SANITARY FLOOR PLAN
P02 PLUMBING DOMESTIC WATER FLOOR PLAN
P03 PLUMBING DETAILS AND SCHEDULES

Structural

S01 STRUCTURAL NOTES
S02 STRUCTURAL FOUNDATION PLAN
S03 STRUCTURAL ROOF PLAN
S04 STRUCTURAL PILASTER DETAILS
S05 STRUCTURAL TIMBER FRAMING ELEVATIONS SHEET 1 OF 2
S06 STRUCTURAL TIMBER FRAMING ELEVATIONS SHEET 2 OF 2
S07 STRUCTURAL TYPICAL DETAILS
S08 STRUCTURAL FOUNDATION SECTION AND PILASTER DETAILS
S09 STRUCTURAL TYPICAL SECTIONS
S10 STRUCTURAL TYPICAL FRAMING CONNECTION DETAILS
S11 STRUCTURAL TYPICAL FRAMING CONNECTION DETAILS
S12 STRUCTURAL TYPICAL FRAMING CONNECTION DETAILS

Electrical

EF01 ELECTRICAL SYSTEMS
EG01 ELECTRICAL LEGEND
EG02 ELECTRICAL DETAILS 1 OF 2
EG03 ELECTRICAL DETAILS 2 OF 2
EG04 ELECTRICAL SCHEDULES 1 OF 2
EG05 ELECTRICAL SCHEDULES 2 OF 2
EG06 ELECTRICAL SCHEMATICS
EG07 ELECTRICAL SCHEMATICS & SCHEDULES
EL01 ELECTRICAL LIGHTING
EL02 ELECTRICAL LIGHTING ZONES
EL03 ELECTRICAL LIGHTING SCHEDULE & CONTROLS SCHEME
EP01 ELECTRICAL POWER & TELECOM
ES01 ELECTRICAL SITE PLAN

END OF SECTION