



**Public Works and
Government Services Canada**

Requisition Number: EZ899-182079

MERX I.D. Number: _____

SPECIFICATIONS for:

**Fort Langley National Historical Park
Kitchen Upgrade**

Project No: R.081108.001

APPROVED BY:


Regional Manager, AES

2017-12-06
Date


Construction Safety Coordinator

Date

TENDER:


Project Manager

DEC 08 2017
Date

SPECIFICATION DIVISION		SECTION	PAGES
INDEX	00 00 10	Table of Contents	4
	00 01 07	Seal and Signature	1
DIVISION 01	01 11 00	Summary of Work	2
GENERAL REQUIREMENTS	01 11 55	General Instructions	8
	01 14 00	Work Restrictions	3
	01 31 19	Project Meetings	2
	01 32 16.07	Construction Progress Schedule Bar (GANTT) Chart	4
	01 33 00	Submittal Procedures	4
	01 35 33	Health and Safety Requirements	7
	01 35 43	Environmental Procedures	3
	01 41 00	Regulatory Requirements	1
	01 45 00	Quality Control	3
	01 51 00	Temporary Utilities	3
	01 52 00	Construction Facilities	3
	01 56 00	Temporary Barriers and Enclosures	2
	01 61 00	Common Product Requirements	3
	01 71 00	Examination and Preparation	2
	01 73 00	Execution	2
	01 74 11	Cleaning	2
	01 74 19	Waste Management and Disposal	7
	01 77 00	Closeout Procedures	1
	01 78 00	Closeout Submittals	8
	01 79 00	Demonstration and Training	1
	01 91 13	General Commissioning (Cx) Requirements	8
	01 91 33	Commissioning Forms	2
	01 91 51	Building Management Manual (BMM)	3
DIVISION 02	02 41 99	Demolition for Minor Works	2
EXISTING CONDITIONS			
DIVISION 03	03 10 00	Concrete Forming and Accessories	4
CONCRETE	03 20 00	Concrete Reinforcing	5
	03 30 00	Cast-in-Place Concrete	6
	03 35 00	Concrete Finishing	6
DIVISION 05	05 31 00	Steel Decking	5
METALS	05 50 00	Metal Fabrications	6
DIVISION 06	06 07 00	Wood Treatment	2
WOOD, PLASTICS	06 10 11	Rough Carpentry	7
& COMPOSITES	06 13 00	Heavy Timber Construction	3
	06 20 00	Finish Carpentry	4
	06 40 00	Architectural Woodwork	9

Fort Langley National Historical Park

Kitchen Upgrade

Fort Langley, BC

Project No. R.081108.001

00 00 10**TABLE OF CONTENTS**

November 2017

DIVISION 07	07 11 00	Dampproofing	2
THERMAL & MOISTURE	07 13 52	Modified Bituminous Sheet Waterproofing	6
PROTECTION	07 20 00	Insulation	2
	07 31 00	Cedar Shakes and Siding	4
	07 62 00	Sheet Metal Flashing and Trim	4
	07 84 00	Fire Stopping	5
	07 92 00	Joint Sealants	7
DIVISION 08	08 06 10	Door Schedule	1
OPENINGS	08 11 00	Metal Doors and Frames	6
	08 14 16	Flush Wood Doors	4
	08 71 00	Door Hardware	8
DIVISION 09	09 06 00	Room Finish Schedule	1
FINISHES	09 21 16	Gypsum Board Assemblies	6
	09 22 16	Non-Structural Metal Framing	4
	09 51 33	Acoustical Metal Panel Ceilings	5
	09 51 99	Acoustical Ceiling for Minor Works	5
	09 67 23	Resinous Flooring	9
	09 77 00	Special Wall Surfacing	5
	09 91 13	Exterior Painting	11
	09 91 23	Interior Painting	14
DIVISION 10			
SPECIALTIES	10 28 10	Toilet and Bath Accessories	5
DIVISION 11			
EQUIPMENT	11 40 00	Commercial Food Service	21
DIVISION 21			
FIRE PROTECTION	21 11 16	Domestic Water Piping	6
	21 13 13	Sprinkler Systems	12
DIVISION 22			
PLUMBING	22 13 17	Drainage, Waste, and Vent Piping	3
	22 34 05	Domestic Water Heaters	3
	22 40 00	Plumbing Fixtures	7
	22 42 01	Plumbing Specialties and Accessories	6
DIVISION 23			
HEATING, VENTILATING &	23 05 00	Common Work Results – Mechanical	15
AIR CONDITIONING	23 05 05	Installation of Pipework	3
	23 05 13	Common Motor Requirements for Mechanical Equipment	3
	23 05 14	Adjustable Speed Drives Controllers	4
	23 05 21	Thermometers & Pressure Gauges – Piping Systems	3
	23 05 29	Hangers & Supports for Piping & Equipment	7
	23 05 48	Vibration & Seismic Controls for Ductwork, Piping & Equipment	5
	23 05 53	Mechanical Identification	5
	23 05 93	Testing, Adjusting, and Balancing	5
	23 05 94	Pressure Testing of Ducted Air Systems	3
	23 07 13	Thermal Insulation for Ducting	6
	23 07 19	Thermal Insulation for Piping	8
	23 08 00	Commissioning of Mechanical Systems	4

	23 08 01	Performance Verification of Mechanical Piping	2
	23 09 33	Electric and Electronic Control System for Mechanical Systems	5
	23 11 23	Gas Piping	3
	23 31 10	Cleaning of Mechanical Duct Systems	2
	23 31 14	Metal Ducts	9
	23 33 00	Air Duct Accessories	6
	23 33 14	Dampers	5
	23 34 00	HVAC Fans	5
	23 36 00	Air Terminal Units	5
	23 37 13	Diffusers, Grilles, & Registers	5
	23 37 20	Louvres & Vents	3
	23 55 01	Electric Duct Heaters	2
DIVISION 26 ELECTRICAL	26 05 00	Common Work Results	5
	26 05 21	Wires and Cables	1
	26 05 29	Hangers and Supports for Electrical Systems	1
	26 05 32	Outlets and Devices	2
	26 05 34	Conduit	1
	26 09 25	Lighting Control Devices	1
	26 24 16	Distribution	1
	26 28 00	Seismic Requirements	1
	26 50 00	Lighting	1
	26 95 00	Connection to Mechanical Equipment	1
DIVISION 28 ELECTRONIC SAFETY AND SECURITY	28 16 00	Intrusion Detection	1
	28 30 00	Electronic Detection and Alarm	2
DIVISION 33 UTILITIES	33 46 16	Subdrainage Piping	3
APPENDICES:			
APPENDIX 1	Hazmat Report		9
APPENDIX 2	Geotechnical Report		36
APPENDIX 3	Kitchen Equipment Performance Specification		36
APPENDIX 4	Site Photos		17

DRAWING LIST

ARCHITECTURAL

- A-00 GENERAL NOTES, PROJECT DATA AND LEGENDS
- A-01 SITE PLAN
- A-02 EXISTING BASEMENT FLOOR PLAN & REFLECTED CEILING PLAN
- A-03 EXISTING GROUND FLOOR PLAN & REFLECTED CEILING PLAN
- A-04 SECOND FLOOR PLAN AND ROOF PLAN
- A-05 NEW GROUND FLOOR PLAN
- A-06 NEW KITCHEN PLAN
- A-07 NEW KITCHEN & EXTERIOR DECK REFLECTED CEILING PLAN
- A-08 EXISTING AND NEW BUILDING SECTIONS
- A-09 EXISTING AND NEW BUILDING ELEVATIONS
- A-10 INTERIOR ELEVATIONS
- A-11 WASHROOM FLOOR PLANS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS
- A-12 DETAILS
- A-13 DETAILS

STRUCTURAL

- S101 GENERAL NOTES
- S201 NEW GROUND FLOOR PLAN
- S202 ROOF PLAN
- S301 NEW BUILDING SECTION

MECHANICAL

- M-01 COVER PAGE, DRAWING LIST, LEGEND & ABBREVIATIONS
- M-02 OPERATIONS BUILDING - PARTIAL FLOOR PLANS FOR BASEMENT, GROUND FLOOR, AND SECOND FLOOR - DEMOLITION - HVAC
- M-03 OPERATIONS BUILDING - PARTIAL GROUND FLOOR PLAN AND SECOND FLOOR – NEW CONSTRUCTION -HVAC
- M-04 BUILDING SECTION AND MECHANICAL DETAILS
- P-01 DETAILS, LEGEND, & ABBREVIATIONS
- P-02 OPERATIONS BUILDING - PARTIALS FLOORPLANS FOR BASEMENT AND GROUND FLOOR - DEMOLITION - PLUMBING
- P-03 OPERATIONS BUILDING - PARTIALS FLOORPLANS FOR BASEMENT AND GROUND FLOOR - RENOVATION - PLUMBING
- F-01 SITE PLAN, LEGEND, & ABBREVIATIONS
- F-02 EXISTING FLOOR PLANS - FIRE PROTECTION
- F-03 PARTIAL FLOOR PLANS - FIRE PROTECTION

ELECTRICAL

- E-01 KEY PLANS AND SINGLE LINE DIAGRAM
- E-02 KITCHEN AND WASHROOMS ELECTRICAL AND LIGHTING PLANS
- E-03 EXIT SIGN UPGRADE PLANS
- E-04 POWER DISTRIBUTION AND MISCELLANEOUS DETAILS

CONSULTANTS – SEAL & SIGNATURE

Discipline

Seal/Signature/Date

Architectural
Chernoff Thompson Architects



Structural
CWMM Consulting Engineers Ltd.



Nov 28, 2017

Mechanical
Integral Group



Electrical
Western Element Engineering Inc.



END OF SECTION 00 01 07