



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

CHIGNECTO SOUTH – MULTI PURPOSE BUILDING

FUNDY NATIONAL PARK

ALMA

ALBERT COUNTY

NEW BRUNSWICK

PROJECT NO. R.075816.001

LIST OF DRAWINGS:

CIVIL

C01 OF C05 EXISTING TOPOGRAPHICAL SURVEY
C02 OF C05 SITE PLAN
C03 OF C05 CIVIL SITE SERVICING PLAN
C04 OF C05 GRADING PLAN
C05 OF C05 CONSTRUCTION DETAILS

LANDSCAPE

L01 OF L02 LANDSCAPE PLAN AND DETAILS
L02 OF L02 LANDSCAPE PLAN AND DETAILS
(FOR OPTIONAL PRICING)

ARCHITECTURAL

A01 OF A07 FLOOR PLAN, REFLECTED CEILING PLAN,
A02 OF A07 ROOF PLAN, & RADON PIT DETAILS
BUILDING ELEVATIONS, BUILDING SECTIONS,
& WALL SECTIONS
A03 OF A07 WASHROOM & CONCRETE COUNTER DETAILS
A04 OF A07 DETAILS
A05 OF A07 DETAILS
A06 OF A07 CASEWORK SECTIONS & DETAILS
A07 OF A07 DOOR, FRAME, WINDOW, WALL, & ROOF TYPES
INTERIOR FINISH/ DOOR SCHEDULES & DETAILS

STRUCTURAL

F1 OF 2 FOUNDATION PLANS, SECTIONS & NOTES
F2 OF 2 FOUNDATION DETAILS

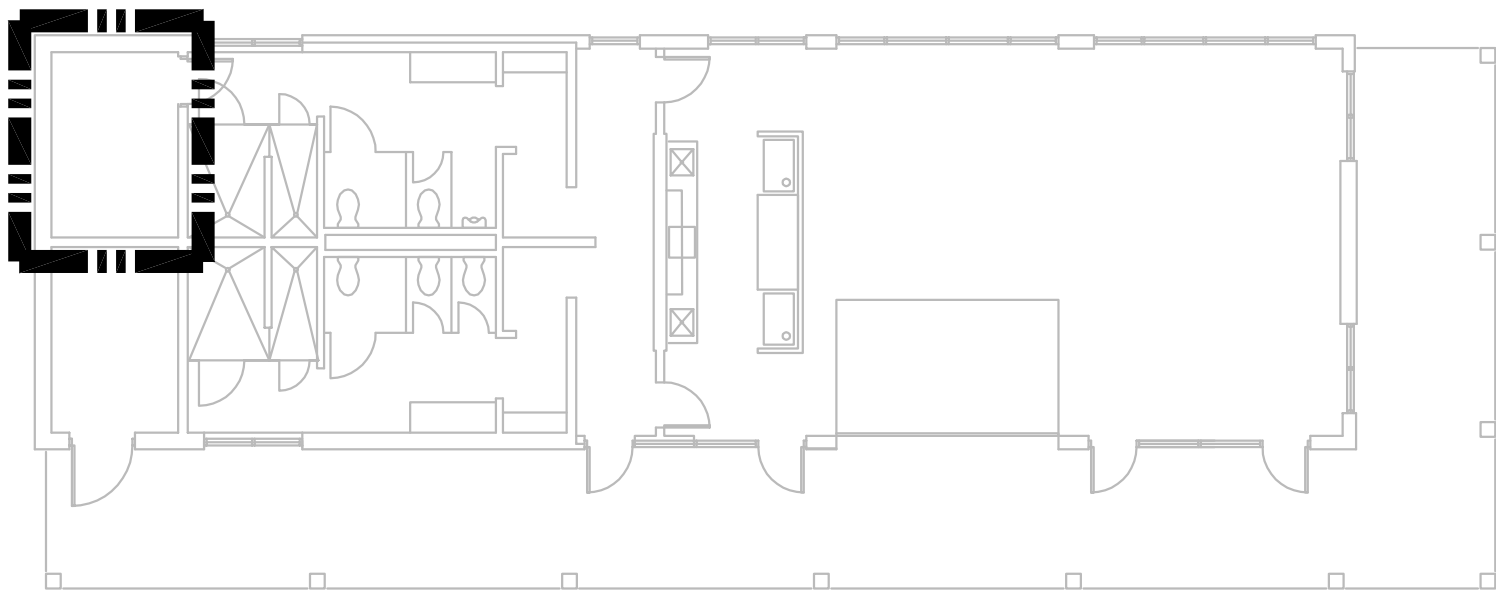
S1 OF 3 ROOF FRAMING PLAN
S2 OF 3 FRAMING SECTIONS & DETAILS
S3 OF 3 FRAMING DETAILS

MECHANICAL

M–1 OF 5 FLOOR PLAN PLUMBING – DOMESTIC WATER, SANITARY AND VENT –
DETAILS AND LEGEND
M–2 OF 5 FLOOR PLAN PROPANE GAS – SCHEDULES AND NOTES
M–3 OF 5 FLOOR PLAN HEATING – SCHEMATIC AND DETAILS
M–4 OF 5 FLOOR PLAN VENTILATION – LEGEND, SCHEDULE AND SECTIONS
M–5 OF 5 SITE PLAN – PLUMBING – SECTION AND DETAILS – HEATING

ELECTRICAL

E–1 OF 3 SITE PLAN, DETAILS AND LEGEND
E–2 OF 3 FLOOR PLANS, LIGHTING, POWER AND SYSTEMS
E–3 OF 3 SCHEDULES



FIRE SEPARATION FLOOR PLAN

LEGEND: 1 HR. SEPARATION



NOTES:

- 1 – ALL PENETRATIONS THROUGH FIRE SEPARATIONS SHALL BE FIRESTOPPED USING APPROVED ULC LISTED SYSTEMS. ANY UNLISTED SYSTEMS REQUIRE AN ENGINEERING EQUIVALENCY, SUBMIT SHOP DRAWING FOR APPROVAL. REFER TO SPECS
- 2 – ALL FIRE SEPARATIONS SHALL EXTEND UP TO U/S OF METAL DECK OR TRUSS AND FIRESTOPPED U.N.O.
- 3 – ALL NON-RATED FIRE SEPARATIONS SHALL BE CONSTRUCTED SIMILAR TO RATED FIRE SEPARATIONS C/W FIRESTOPPING AT PENETRATIONS AND JUNCTIONS WITH FLOOR AND CEILING, SEALING AGAINST THE PASSAGE OF SMOKE. FIRE DAMPERS ON DUCTWORK ARE NOT REQUIRED.

CODE STUDY																					
Item	Building Information – General																				
A	Information based on National Building Code of Canada 2015 issue.																				
B	Project Name:	Chignecto South New Multi Purpose Building				Building Owner:	Park Canada														
	Civic Address:	Fundy National Park, Alma, NB																			
C	Architect:	Architects Four Limited 18 Bolaford Street Moncton, New Brunswick E1C 4W7					Tel.: 506 857-8601 Fax: 506 856-9729														
D	Sub Consultants:	Structural: Joma Engineering Group Mechanical: MCW Marlor Electrical: MCW Marlor																			
E	Project number:	Architect A1544B																			
Item	National Building Code Data Matrix Parts 3 & 9								NBC Reference												
1	Project Description:	<input type="checkbox"/> Change of use <input checked="" type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration						<input checked="" type="checkbox"/> Part 3													
2	Major Occupancy(s)	Group A, Division 2 – Assembly occupancies						3.1.2.1(1)													
3	Building Area (m ²)	Existing 0	New 215.25		Total 215.25		1.4.1.2														
4	Gross Area (m ²)	Existing 0	New 215.25		Total 215.25																
5	Number of Storeys	Above grade 1	Below grade 0		Total 215.25		3.2.1.1 & 3.2.5.5														
6	Height of Building (m)	8.55																			
7	Length of Building (m)	26.19																			
8	Width of Building (m)	8.19																			
9	Number of Streets/Access Routes	1					3.2.2.10 & 3.2.5.5														
10	Building Classification Group A, Division 2, One Storey						3.2.2.28														
11	Sprinkler System Proposed	<input type="checkbox"/> entire building <input type="checkbox"/> basement only <input type="checkbox"/> in lieu of roof rating <input checked="" type="checkbox"/> not required						3.2.2.65 3.2.1.5 3.2.2.17													
12	How many sprinkler zones	n/a																			
13	Are firewalls to be used to consider this more than one building	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		Rating: X Hours															
14	Standpipe required	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.5.8															
15	Fire Alarm Required	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.4															
	AC/DC Fire Alarm	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
		<input type="checkbox"/> Existing		<input checked="" type="checkbox"/> New																	
	Addressable	<input type="checkbox"/> Single Stage		<input type="checkbox"/> Two Stage																	
16	Fire Alarm Panel Location	n/a																			
17	Is Fire Alarm connected to a central monitoring station	<input type="checkbox"/> Yes		<input type="checkbox"/> No		3.2.4.8															
18	Manual pull stations	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
19	Smoke Detectors	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
	Stairwell	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
	Corridor	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
20	Heat Detectors	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
	Stairwell	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
	Corridor	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
21	Exit Lighting	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		3.4.5															
22	Emergency Lighting	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		3.2.7.3															
23	Water Service/Supply is Adequate	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		3.2.5.7															
24	High Building	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.6															
25	Are equivalencies proposed	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		2.5															
26	Permitted Construction	<input type="checkbox"/> Combustible		<input type="checkbox"/> Non-Combustible		<input checked="" type="checkbox"/> Both						3.2.2.65									
	Actual Construction	<input type="checkbox"/> Combustible		<input type="checkbox"/> Non-Combustible																	
27	Mezzanine(s) Area (m ²)																				
28	Occupant load based on	<input checked="" type="checkbox"/> m ² /person <input type="checkbox"/> design of building																			
	1st Floor:	Assembly Occupancy (90.0m ² @ 0.4m ² /pers.) Load 225 persons																			
	Storage:	Storage Occupancy (24.7m ² @ 46.0m ² /pers.) Load 1 persons																			
	Kitchen:	Kitchen Occupancy (36.8m ² @ 9.3m ² /pers.) Load 4 persons																			
	Washroom:	Washroom (63.2m ² @ 3.7m ² /pers.) Load 18 persons																			
29	Exit capacity from each floor	<input checked="" type="checkbox"/> mm/person <input type="checkbox"/> design of building																			
	1st Floor:	Load 248 persons at 6.1mm/pers. = 1513mm																			
30	Quantity of Exit Stairwells																				
	Enclosed	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
	Fire Rating																				
31	Any other openings between floors	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
32	Any garbage, linen, etc., chutes	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
33	Electromagnetic locking devices	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No																	
34	Barrier-free Design	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No (Explain)																	
35	Hazardous Substances	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No								3.3.1.2(1) & 3.3.1.2(1)									
36	Required Fire Resistance Rating (FRR)																				
	Horizontal Assemblies FRR (hours)			Listed Design No. or Description (SG-2)																	
	Floors:	n/a		–																	
	Roof:	n/a		–																	
	Mezzanine:	n/a		–																	
	FRR of Supporting Members			Listed Design No. or Description (SG-2)																	
	Floors:	n/a		–																	
	Roof:	n/a		–																	
	Mezzanine:	n/a		–																	
38	Spatial Separation – Construction of Exterior Walls																				
	Wall	Area of EBF (m ²)	L/D (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Comb. Const.	Comb. Nonc. Cladding	Non-comb. Constr.										
	North	n/a	9	100																	
	South	n/a																			
	East	n/a																			
	West	n/a																			

ISSUED FOR TENDER – March 29, 2017

