

Project Description: COMPOUND MAINTENANCE FACILITY Des-Tek Inc.

Project Location: FUNDY NATIONAL PARK, ALMA, NB

Owner: PARKS CANADA

Date of Review:

Item	2015 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 checked="" type="checkbox"/> Part 3	<input type="checkbox"/> Part 9							
2	Major occupancy(s)	MED. HAZARD INDUSTRIAL - F-2		3.1.2.2.(1)		2.1.3.1 9.10.1.3						
3	Building Area (m ²)	Existing	New	506.6	Total	927						
4	Gross Area (m ²)	Existing	New	1022.6	Total	1023						
5	Number of Storeys	Above	Below Grade	1	0							
6	Height of Building(m)			9.6								
7	Number of Streets / Access Routes			2	3.2.2.10 & 3.2.5.5							
8	Building Classification			3.2.2.79	3.2.2							
9	Sprinkler System Proposed	<input checked="" type="checkbox"/> Entire Building	<input type="checkbox"/> Basement Only	<input type="checkbox"/> in lieu of roof rating	<input checked="" type="checkbox"/> not required	3.2.2.20-90 3.2.1.5 3.2.2.18						
10	Standpipe required	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Not required			3.2.5.8						
11	Fire Alarm required	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			3.2.4						
12	Water Service/Supply is Adequate	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			3.2.5.7						
13	High Building	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			3.2.6						
14	Permitted Construction	<input type="checkbox"/> Combustible	<input checked="" type="checkbox"/> Non-Combustible	<input checked="" type="checkbox"/> Both	3.2.2.20-90							
15	Mezzanine(s)	Area (m ²)	96		3.2.1.1.(3)-(8)							
16	Occupant load based on	<input type="checkbox"/> m ² /person	<input checked="" type="checkbox"/> design of building			3.1.17						
17	Accessibility	Basement:	Occupancy	Load	Person							
		1st Floor	Occupancy	Load	21	Person						
		Mezzanine	Occupancy	Load	1	Person						
							3.8					
18	Hazardous Substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			3.3.6						
19	Fire Resistance Rating (FRR)	Required	Horizontal Assemblies	List Design No. or Description (SG-2)	3.2.2.20-90 & 3.2.1.4							
		Resistance	Floor 0.75 Hours									
			Roof 0 Hours									
		Rating (FRR)	Mezzanine 0 Hours									
			FRR of Supporting Members	List Design No. or Description (SG-2)								
				Floor 0.75 Hrs (if Comb.)								
		Roof 0 Hours										
20	Special Separation - Construction of Exterior Walls	Wall	Area of EBF (m ²)	L.D. or H.L.	Permitted % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Const.	Comb. Const. Noncomb. Cladding	Non-Comb. Const.	
		North	112	>14	100							x
		South	61	>9	100							x
		East	155	>15	100							x
West	155	>15	100							x		

Notes:

2 BUILDING CODE MATRIX

WALL TYPES

EXTERIOR

- (W1) METAL CLADDING
 - 127mm Z GIRT @ 600mm OC PERPENDICULAR TO CLADDING RIB
 - 25mm AIRSPACE
 - 100mm CLOSED CELL SPRAY FOAM INSULATION - RSI 4.55
 - 190mm CONC MASONRY UNITS
- (W2) METAL CLADDING
 - 22mm VERT METAL FURRING CHANNEL @ 600mm OC
 - 38mm HORIZ. Z GIRT @ 600mm OC
 - 38mm RIGID INSULATION - RSI 1.31
 - SELF ADHERED AIR/WEATHER BARRIER
 - 13mm EXT. GRADE GYPSUM SHEATHING
 - 152mm LIGHT GAUGE STEEL STUDS
 - 152mm BATT INSULATION - RSI 4.23
 - 6 MIL POLY VAPOUR BARRIER
- (W2a) AS W2 WITH BATT & RIGID INSUL REMOVED
- (W3) 13mm EXT. GRADE GYPSUM SHEATHING
 - 92mm LIGHT GAUGE STEEL STUDS

INTERIOR

- (P1) 90mm CONC MASONRY UNITS
- (P2) 140mm CONC MASONRY UNITS
- (P3) 190mm CONC MASONRY UNITS
- (P3R) 190mm CONC MASONRY UNITS
 - SIMILAR TO ULC U-913 - 2 HR

3 CONSTRUCTION TYPES

FLOOR TYPES

- (F1) 150mm CONC SLAB - SEE STRUCTURAL
 - 6 MIL POLY VAPOUR BARRIER
 - 50mm RIGID INSULATION
 - 150 GRANULAR FILL
- (F2) 250mm CONC SLAB - SEE STRUC
 - 6 MIL POLY VB
 - 50mm RIGID INSUL
 - 150 GRANULAR FILL
- (F3) 200mm HOLLOWCORE PRECAST CONCRETE PLANKS

ROOF TYPES

(VARY SYSTEM COMPONENTS ACCORDINGLY BASED ON MANUFACTURER'S SYSTEM)

- (R1) LINEAR METAL ROOFING PANELS W/ CONCEALED FASTENING SYSTEM
 - CONTINUOUS WATER BARRIER UNDERLAYMENT
 - 150mm CLIPS @ 600mm OC
 - 150mm RIGID INSULATION - RSI 5.22
 - 13mm EXT. GRADE GYPSUM THERMAL BARRIER
 - 38mm STEEL DECK - SEE STRUC
 - OWSJ - SEE STRUCTURAL
- (R2) LINEAR METAL ROOFING PANELS W/ CONCEALED FASTENING SYSTEM
 - CONTINUOUS WATER BARRIER UNDERLAYMENT
 - 13mm EXT. GRADE GYPSUM SUBSTRATE
 - 38mm STEEL DECK - SEE STRUC
 - LGSJ (LIGHT GAUGE STEEL JOIST) - SEE STRUC
 - 2 LAYERS 152mm BATT INSULATION - RSI 8.46
 - 6 MIL POLY VAPOUR BARRIER
 - 22mm METAL FURRING @ 400mm OC
 - 16mm TYPE 'X' GYPSUM BOARD



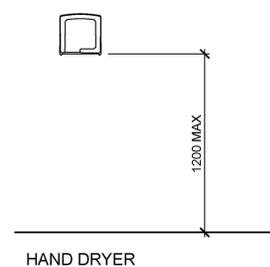
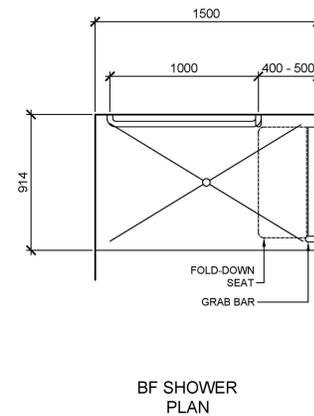
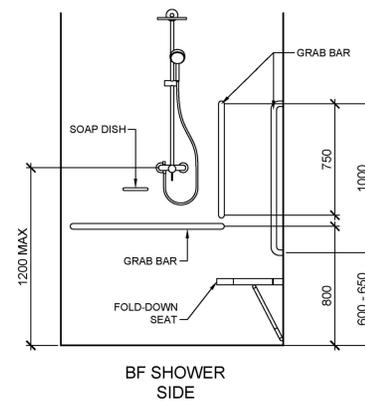
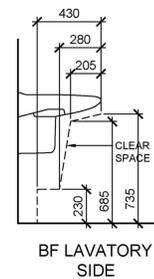
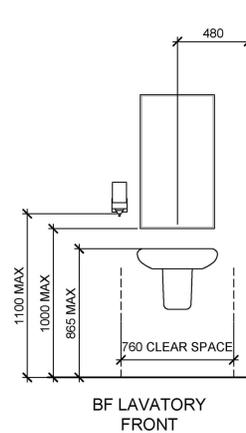
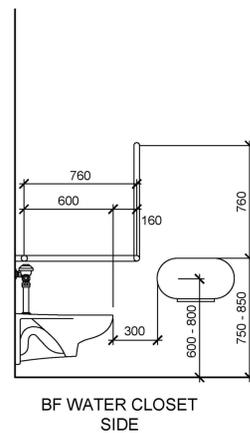
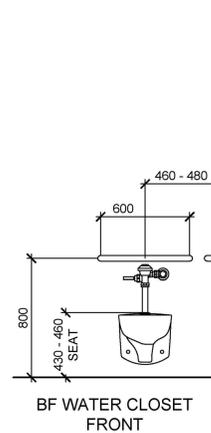
0	FOR TENDER	02/03/2018
revisions		date
project	COMPOUND MAINTENANCE FACILITY FUNDY NATIONAL PARK NEW BRUNSWICK ALBERT COUNTY	

ARCHITECTURAL GENERAL INFO

designed	F. MALLEY	conçu
date	2016/NOV/04	
drawn	J. OLIVER	dessiné
date	2016/NOV/05	
approved	F. MALLEY	approuvé
date	2016/NOV/06	
Tender		Soumission

PWGC Project Manager / Administrateur de projets TPSCC
project number / no. du projet
R.075814.001

drawing no. / no. du dessin
A-001



1 TYPICAL BARRIER-FREE FIXTURE CLEARANCES

SCALE: 1:20

