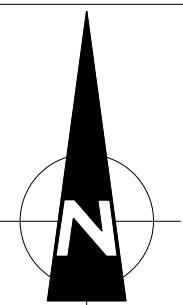


FILE: P:\PROJECTS\2131-EDMONTON\2131-00299-01-ELK VISITOR CENTRE REHABILITATION\10.3.3 ENGINEERING\10.3.3 REFERENCE\X-00299-TBK.DWG PLOTTED: ----



## Building Code Analysis

### ELK ISLAND VISITOR CENTRE REHABILITATION - ELK ISLAND NATIONAL PARK AB

**MUNICIPAL ADDRESS:**  
FORT SASKATCHEWAN, ELK ISLAND NATIONAL PARK, AB

**LEGAL ADDRESS:**  
--

THE CONSTRUCTION PROCEDURES OUTLINED IN THESE DOCUMENTS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE ALBERTA BUILDING CODE 2014 AND ITS SUPPLEMENTS. THIS ANALYSIS DESCRIBES THE CONSTRUCTION OF A NEW WASHROOM FACILITIES.

#### 1. BUILDING OCCUPANCY AND USE

- MAJOR OCCUPANCIES:
  - PROPOSED: GROUP A2 – ASSEMBLY
- BUILDING HEIGHT: 1 STOREY ABOVE GRADE
- BUILDING AREA: 173 m2

#### 2. BUILDING CLASSIFICATION

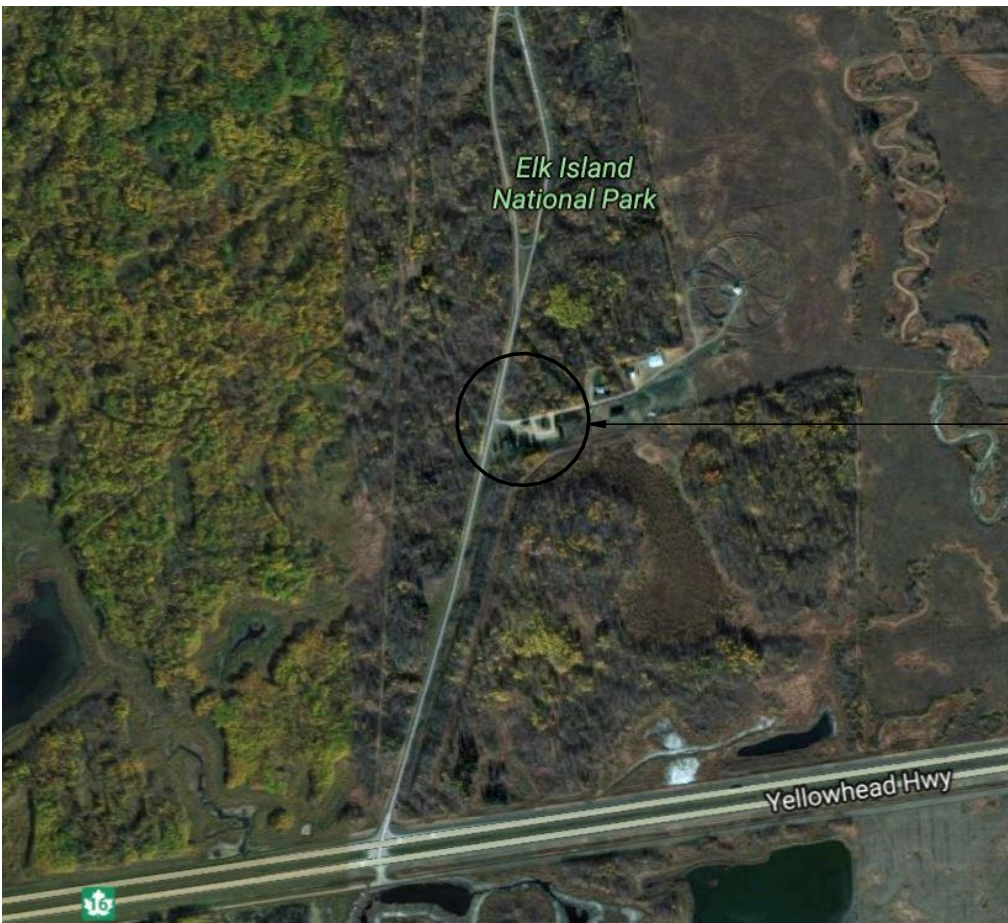
- 3.2.2.28 GROUP A, DIVISION 2, ONE STOREY**
  - BUILDING HEIGHT: 1 STOREY
  - BUILDING AREA: 400 m2 MAXIMUM FACING 1 STREET

#### 3. AUTOMATIC FIRE SUPPRESSION SYSTEM

SPRINKLERS NOT REQUIRED

#### 4. BARRIER FREE REQUIREMENTS

- 3.8.1.2 ENTRANCES**
  - NOT LESS THAN 50% OF THE PEDESTRIAN ENTRANCES, INCLUDING THE PRIMARY ENTRANCE OF A BUILDING SHALL BE BARRIER-FREE.



SITE LOCATION

## VICINITY MAP

## DOOR AND FRAME SCHEDULE

DOOR NO.	TYPE	DOOR		FRAME		GLAZING	WALL CONDITION	FIRE LABEL	HARDWARE TYPE	REMARKS
		WIDTH	HEIGHT	MAT'L	FINISH					
101A	C	914	2134	AL	ANOD	--	AL	ANOD	GT	--
101B	C	914	2134	AL	ANOD	--	AL	ANOD	GT	--
104	B	914	2134	AL	ANOD	--	AL	ANOD	GT	--
105	A	914	2134	HM	PT	1	PS	PT	--	45MIN

## DOOR MATERIAL LEGEND

AL	ALUMINUM	PS	PRESSED STEEL FRAME
HM	HOLLOW METAL	GT	TEMPERED GLAZING
PT	PAINTED	ANOD	ANODIZED - MEDIUM BRONZE

## MATERIAL LEGEND

LV = LOOSELAY VINYL FLOORING BY KARNDLEAN OR EQUIVALENT

FRP = FIBREGLASS REINFORCED PLASTIC SIMILAR TO PANOLAM FRP, WHITE, EMBOSSED FINISH

PT = PAINTED

RB = RUBBER BASE SIMILAR TO JOHNSONITE #29 MOONROCK

WB = 100mm HIGH MDF BASE, PAINTED

EX CONC = EXISTING CONCRETE, SEALED

ACT = ACOUSTIC CEILING TILE

## ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES				CEILING FINISH	COMMENTS
				NORTH	WEST	SOUTH	EAST		
101	VEST	LV	WB	PT	PT	PT	PT	ST	
102	RECEPTION	LV	WB	-	PT	-	-	ACT	
103	MIXED USE RETAIL	LV	WB	PT	PT	PT	PT	ST	
104	INFO AREA	LV	WB	-	-	PT	PT	ST	
105	EXTG. MECHANICAL	EX CONC	RB	PT/FRP	PT/FRP	PT/FRP	PT/FRP		

## WALL CONSTRUCTION

- (W1)
- 8mm FIBRE CEMENT SIDING ON WOOD FURRING
  - AIR BARRIER MEMBRANE
  - 13mm PLYWOOD SHEATHING
  - 38 X 140 WOOD STUDS @ 400 O.C.
  - RSI 3.87 BATT INSULATION
  - VAPOUR BARRIER MEMBRANE
  - 16mm GYPSUM BOARD

- (W2)
- 8mm FIBRE CEMENT SIDING ON WOOD FURRING
  - EXISTING WALL ASSEMBLY

- (W3)
- 8mm FIBRE CEMENT SIDING ON WOOD FURRING
  - AIR BARRIER MEMBRANE
  - 13mm PLYWOOD SHEATHING
  - EXISTING WALL FRAMING
  - BATT INSULATION TO FILL EXISTING STUD SPACE
  - VAPOUR BARRIER MEMBRANE
  - 16mm GYPSUM BOARD

## PARTITION CONSTRUCTION

- (P1)
- 16mm TYPE 'X' GYPSUM BOARD
  - 38 X 140 WOOD STUDS @ 400mm O.C.
  - MINERAL FIBRE BATT INSULATION TO FILL STUD CAVITY
  - 16mm TYPE 'X' GYPSUM BOARD
  - 1 HR F.R.R., ULC W317

- (P2)
- EXISTING WALL ASSEMBLY

- (P3)
- 16mm GYPSUM BOARD
  - 38 X 89 WOOD STUDS @ 400mm O.C.

- (P4)
- 16mm GYPSUM BOARD
  - 38 X 89 WOOD STUDS @ 400mm O.C.
  - 16mm GYPSUM BOARD

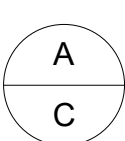
## ROOF CONSTRUCTION

- (R1)
- STANDING SEAM METAL ROOF, COLOUR MELCHERS GREEN QC 18307
  - WATER SHIELD
  - 12.7mm PLYWOOD SHEATHING
  - RSI 6.3 RIGID INSULATION SPANNING BETWEEN 100mm Z-GIRTS
  - AIR/VAPOUR BARRIER MEMBRANE
  - DECK SHEATHING AND ROOF STRUCTURE

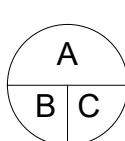
- (R2)
- STANDING SEAM METAL ROOF, COLOUR MELCHERS GREEN QC 18307
  - WATER SHIELD
  - 12.7mm PLYWOOD SHEATHING
  - RSI 6.3 RIGID INSULATION SPANNING BETWEEN 100mm Z-GIRTS
  - AIR/VAPOUR BARRIER MEMBRANE
  - EXISTING WOOD DECK

## NOT FOR CONSTRUCTION

#	#	#	#	#	#
3	2018.02.21	ISSUED FOR ADDENDUM	JU		LB
2	2017.10.30	ISSUED FOR TENDER	JU		LB
1	2017.08.02	ISSUED FOR 90% CLIENT REVIEW	JU		LB
0	2017.07.25	ISSUED FOR 50% CLIENT REVIEW	JU		LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé



A detail number  
numéro de detail  
B source drawing no.  
de dessin no.  
C detail on drawing no.  
detail sur dessin no.



Consultant's Stamp  
Sceau de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur

Client



Parks Canada Agency  
Western and Northern Region

L'Agence Parcs  
Canada  
Ouest et Nord Région

Consultant's Name  
Nom de l'expert-conseil



2nd Floor, 10635 - 124 Street NW  
Edmonton, AB, Canada T5M 0H4  
778-784-7160  
www.s2architecture.com

Project Title  
Titre du projet

**ELK ISLAND VISITOR  
CENTRE  
REHABILITATION**  
FORT SASKATCHEWAN  
ELK ISLAND NATIONAL PARK, AB

Drawing Title  
Titre du dessin

## SITE PLAN AND SCHEDULES

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
		2017.03.13
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
		AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

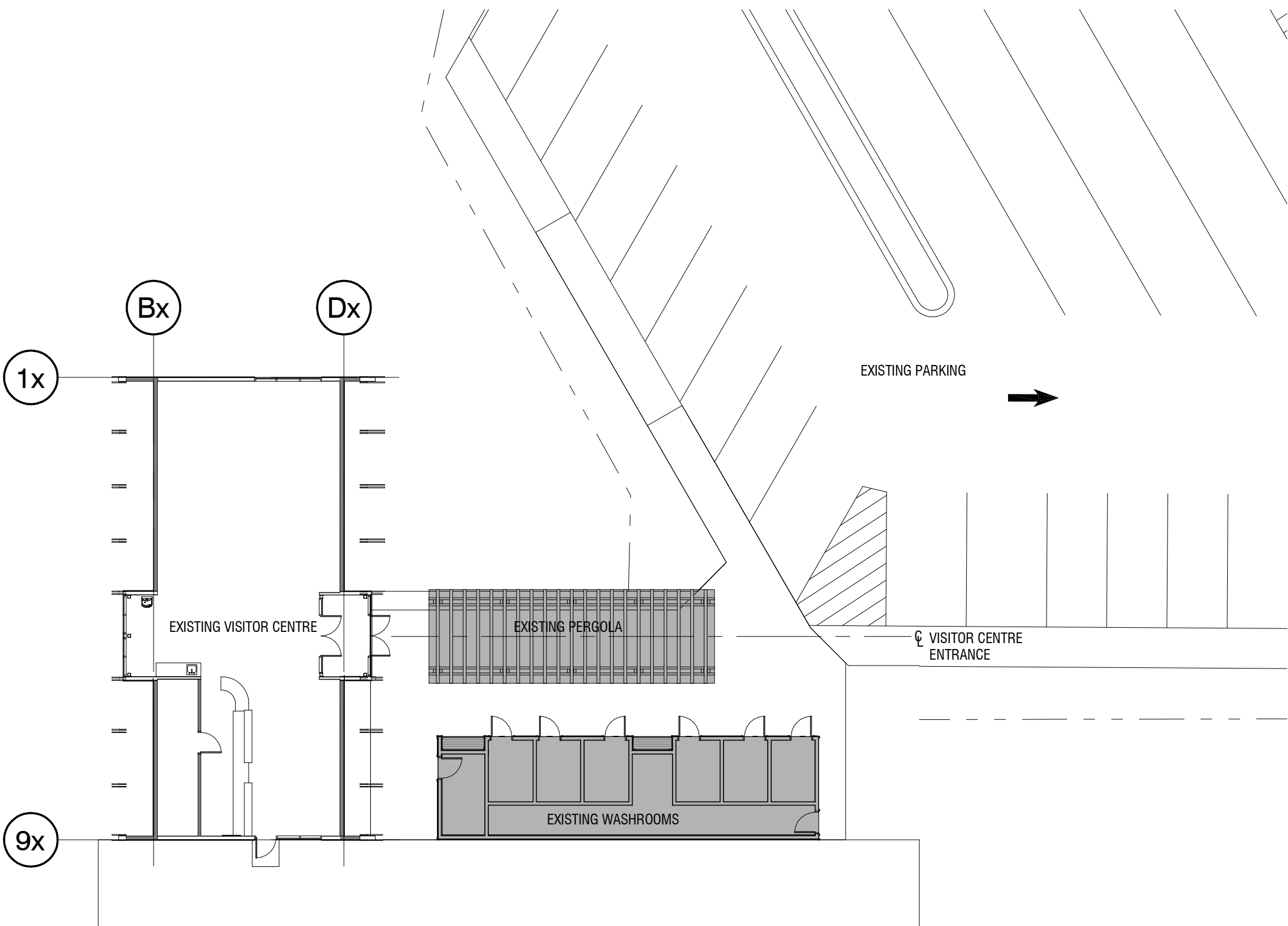
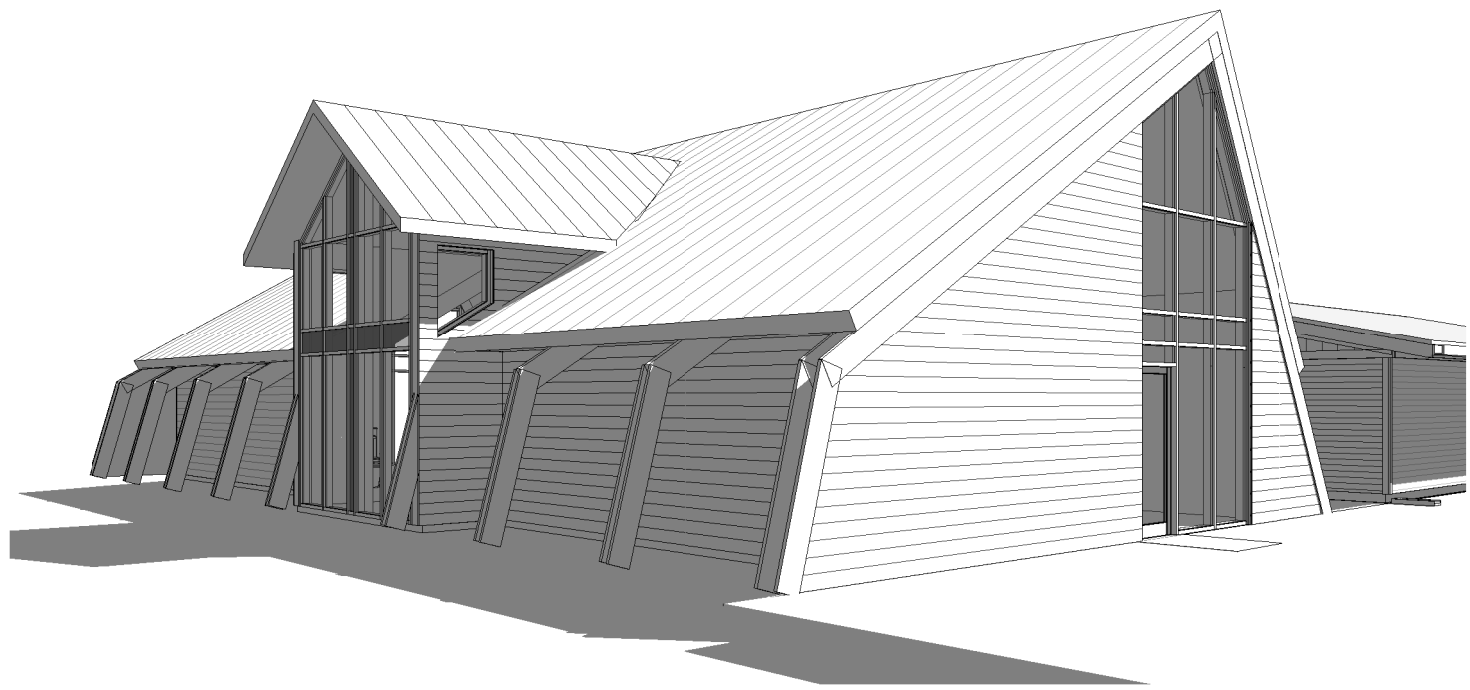
MARK MCINTYRE

Client Acceptance / Acceptation du client	Approved by / Approuvé par

Parks Canada Responsible Officer / Agent Responsable Parcs Canada

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. No. de la feuille
2131-00299	####	
Drawing Reference No. / No. de référence du dessin		A0.01
####		

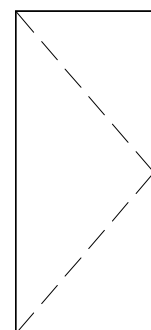


## 2 PARTIAL SITE PLAN

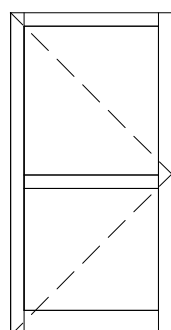
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NOTE: DOOR CYLINDERS, CORES AND KEYS TO BE SUPPLIED BY OWNER.

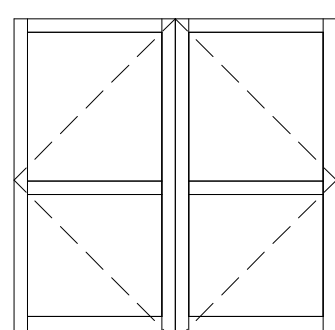
## DOOR AND FRAME TYPES



A



B



C

### Opening List

Opening	Hdw Set	Door Type	Frame Type	Fire Rated
101A	01	ALDR	ALFR	
101B	02	ALDR	ALFR	
104	03	ALDR	ALFR	
105	04	HMD	PSF	45 min

