

WALL CONSTRUCTION

W1 - 8mm FIBRE CEMENT SIDING ON WOOD FURRING
 - AIR BARRIER MEMBRANE
 - 13mm PLYWOOD SHEATHING
 - 38 X 140 WOOD STUDS - REFER TO STRUCTURAL FOR SPACING
 - RSI 3.87 BATT INSULATION
 - VAPOUR BARRIER MEMBRANE
 - 16mm MOISTURE RESISTANT GYPSUM BOARD

W2 - 8mm FIBRE CEMENT SIDING ON METAL FURRING
 - AIR BARRIER MEMBRANE
 - 16mm TYPE 'X' EXTERIOR GYPSUM BOARD
 - 38 X 140 WOOD STUDS - REFER TO STRUCTURAL FOR SPACING
 - RSI 3.87 BATT INSULATION
 - VAPOUR BARRIER MEMBRANE
 - 16mm TYPE 'X' MOISTURE RESISTANT GYPSUM BOARD

1 HR. F.R.R. - ULC W231

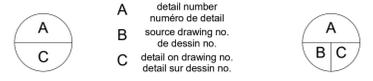
PARTITION CONSTRUCTION

P1 - 16mm MOISTURE RESISTANT GYPSUM BOARD
 - 38 X 140 WOOD STUDS @ 400mm O.C.
 - ACOUSTIC BATT INSULATION
 - 16mm MOISTURE RESISTANT GYPSUM BOARD

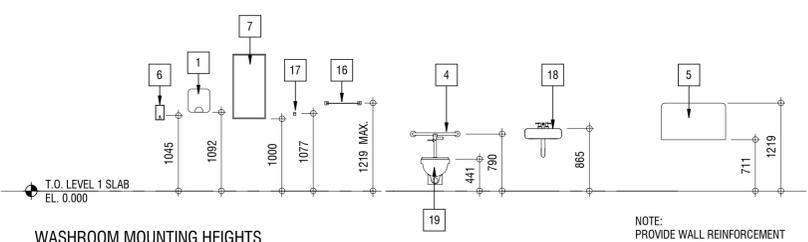
- Materials - Code Legend**
- 1 SURFACE MOUNTED HAND DRYER - SEE MECHANICAL.
 - 2 FEMININE NAPKIN DISPOSAL.
 - 3 TOILET TISSUE DISPENSER.
 - 4 STAINLESS STEEL GRAB BARS - L-SHAPED 1200mm HORIZONTAL AND 600mm DIAGONAL ADJACENT TO WATER CLOSET. 900mm LONG LOCATED AT THE BACK OF WATER CLOSET.
 - 5 WALL MOUNTED BABY CHANGING STATION (FAMILY WASHROOM ONLY). AMERICAN SPECIALTIES ASI9012. PROVIDE BLOCKING IN WALLS AS REQUIRED.
 - 6 SURFACE MOUNTED SOAP DISPENSER.
 - 7 CHANNEL FRAME MIRROR 610mm X 914mm.
 - 8 RAINWATER LEADER.
 - 9 PRECAST CONCRETE SPLASHPAD.
 - 10 WOOD BENCH.
 - 11 305mm x 305mm FLOOR TILES, TRUS12-SLIVER BY AMES TILE & STONE.
 - 12 150mm HIGH TILE BASE, TRUS12-SLIVER BY AMES TILE & STONE.
 - 13 FRP WHITE EMBOSSED WALL FINISH FROM 150mm A.F.F. TO 2150mm A.F.F.
 - 14 SEALED CONCRETE SLAB.
 - 15 100mm HIGH RUBBER BASE.
 - 16 200mm DEEP X 400mm WIDE STAINLESS STEEL SHELF MOUNTED 1100mm A.F.F.
 - 17 COAT HOOK.
 - 18 WALL-MOUNTED SINK, SEE MECHANICAL.
 - 19 WALL-MOUNTED WATER CLOSET, SEE MECHANICAL.

NOT FOR CONSTRUCTION

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
3					
2					
1	2017.04.15	ISSUED FOR TENDER		JU	LB
0	2017.03.13	ISSUED FOR REVIEW		JU	LB



1 FLOOR PLAN
A1.00 SCALE: 1:50

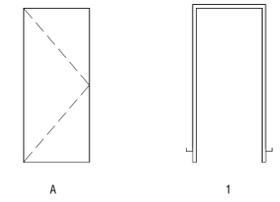


WASHROOM MOUNTING HEIGHTS

NOTE: PROVIDE WALL REINFORCEMENT FOR WALL-MOUNTED WASHROOM ACCESSORIES

DOOR AND FRAME SCHEDULE

DOOR NO.	TYPE	WIDTH	HEIGHT	MATL.	FINISH	FRAME TYPE	MATL.	FINISH	GLAZING	WALL CONDITION	FIRE LABEL	HARDWARE TYPE	REMARKS
1	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
2	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
3	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
4	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
5	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
6	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
7	A	914	2134	HM	--	1	PS	--	--	--	-	02	--
8	A	914	2134	HM	--	1	PS	--	--	--	-	02	--



DOOR AND FRAME TYPES

Elk Island Visitor Centre Rehabilitation
Fort Saskatchewan, Alberta

DOOR HARDWARE SECTION 08 71 00

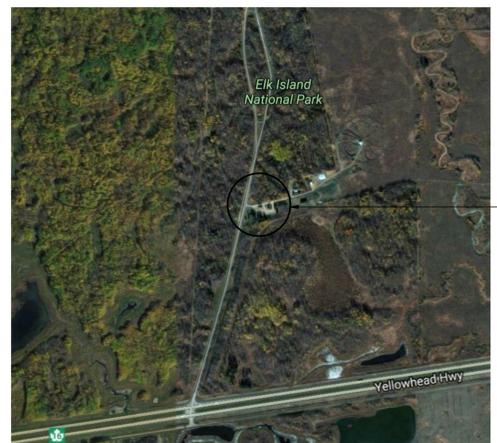
Hardware Sets

SET #01

3 Hinges	CB191 114 X 101	26D	CST
1 Deadlock	QDB285	626	CSH
1 Privacy Set	9K3-0L15D S3	626	CBE
1 Door Closer	CLD-4551 CS	689	CSD
1 Weatherstrip Set	W-49 1 X 914, 2 X 2133	AL	CKN
1 Door Sweep	W-24S 914	CA	CKN
1 Threshold	CT-11 914	AL	CKN

SET #02

3 Hinges	CB191 114 X 101	26D	CST
1 Deadlock	8T3-7K STD STK	626	CBE
1 Lockset	9K3-7D15D STD S3	626	CBE
1 Door Closer	CLD-4550 STD W/PA BRKT	689	CSD
1 Dome Stop	S102L	26D	CSM
1 Weatherstrip Set	W-49 1 X 914, 2 X 2133	AL	CKN
1 Door Sweep	W-24S 914	CA	CKN
1 Threshold	CT-11 914	AL	CKN



VICINITY MAP

Building Code Analysis

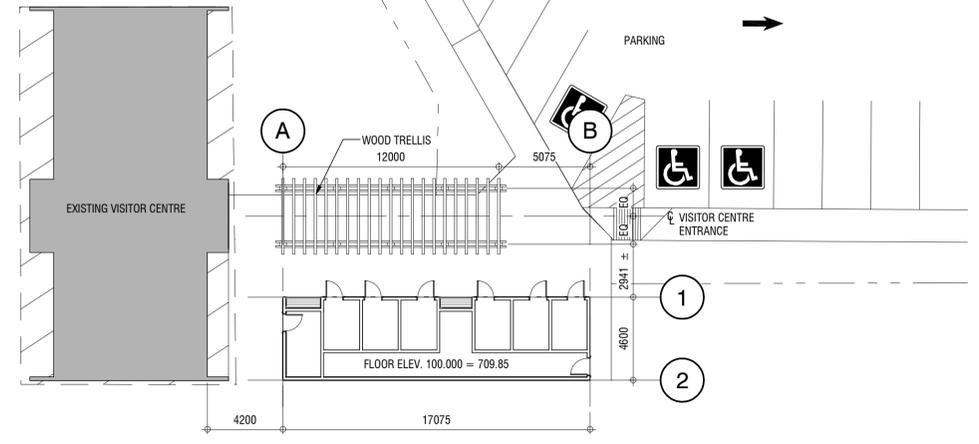
ELK ISLAND VISITOR CENTRE REHABILITATION - ELK ISLAND NATIONAL PARK AB

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.

- BUILDING OCCUPANCY AND USE**
 - MAJOR OCCUPANCIES:
 - PROPOSED: GROUP A2 - ASSEMBLY
 - BUILDING HEIGHT: 1 STOREY ABOVE GRADE
 - BUILDING AREA:
 - PROPOSED: 78.54 m2
- BUILDING CLASSIFICATION**
 - 3.2.2.28 GROUP A, DIVISION 2, ONE STOREY
 - BUILDING HEIGHT: 1 STOREY
 - BUILDING AREA: 400 m2 MAXIMUM FACING 1 STREET
- AUTOMATIC FIRE SUPPRESSION SYSTEM**
SPRINKLERS NOT REQUIRED
- 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.
- AREA OF EXPOSING BUILDING FACE**
 - WEST ELEVATION:
 - LEVEL 1 COMPARTMENT - 9.33 m2
 - UNPROTECTED OPENING - 0 m2



2 PARTIAL SITE PLAN
A1.00 SCALE: 1:200

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

SITE PLAN, FLOOR PLAN AND DOOR SCHEDULE

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

Parks Canada Project Manager / Administrateur de Projets Parcs Canada
MARK MCINTYRE

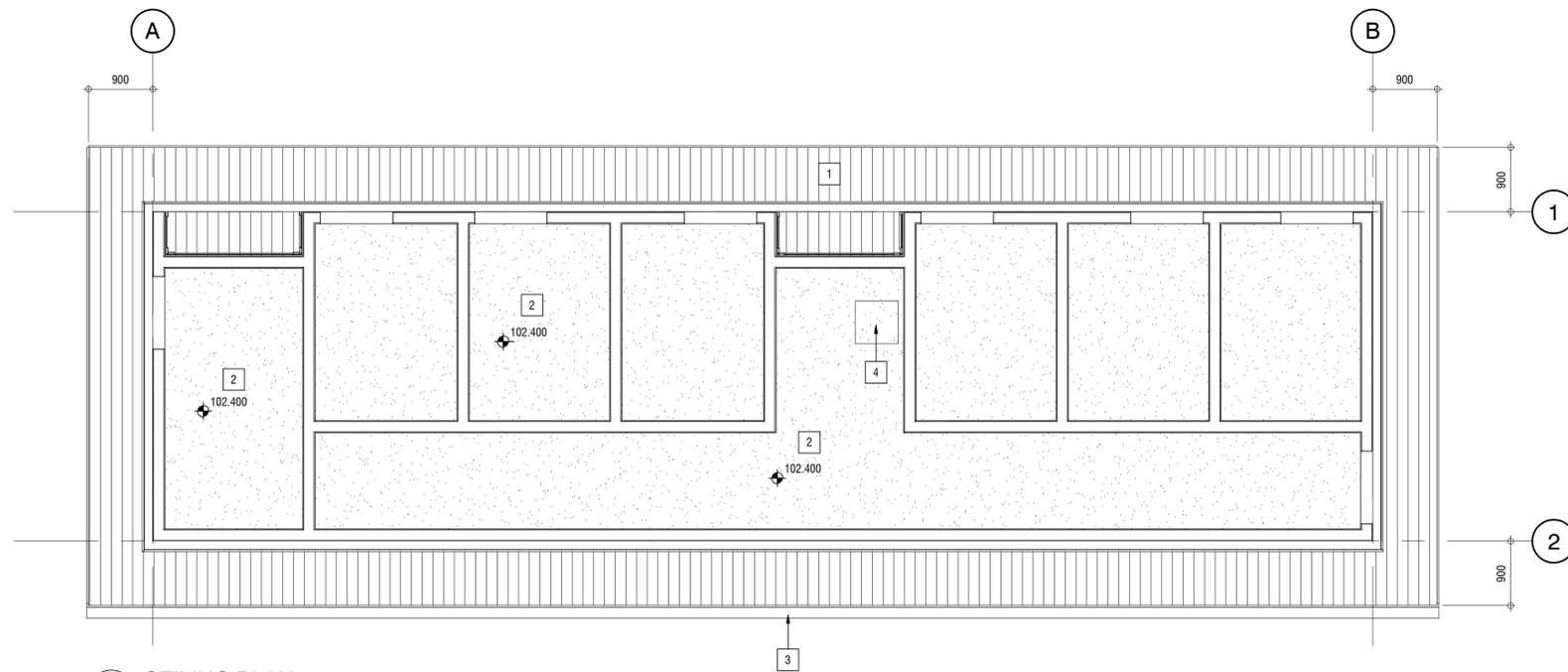
Client Acceptance / Acceptation du client Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299	####	A1.00

Drawing Reference No. / No. de référence du dessin
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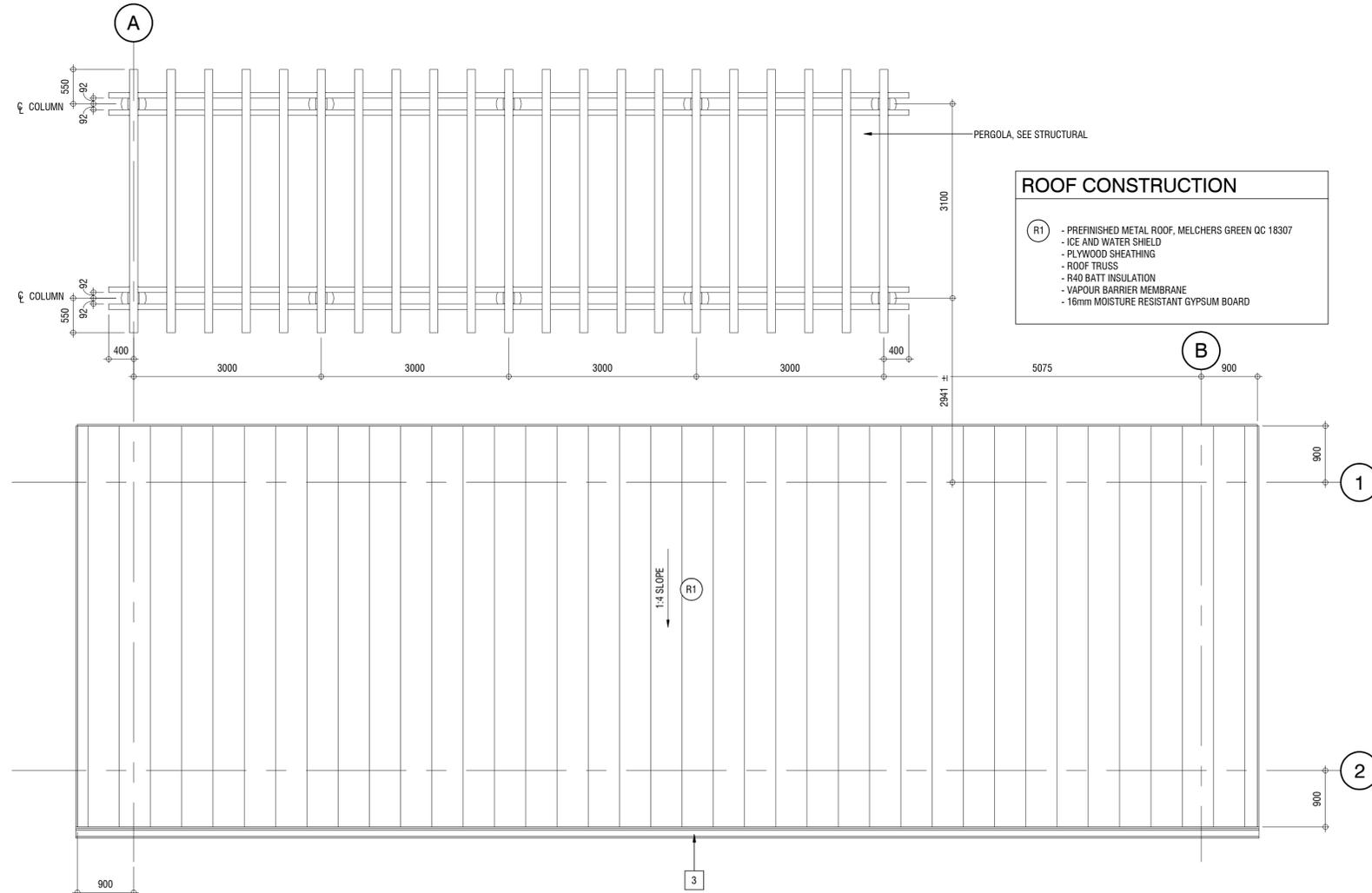
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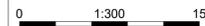
1	VENTED FIBRE CEMENT SOFFIT. HARDI PANEL. COLOUR COBBLESTONE/SMOOTH
2	16mm MOISTURE RESISTANT TYPE 'X' GYPSUM BOARD CEILING
3	PREFINISHED METAL GUTTER
4	CEILING ACCESS PANEL

1 CEILING PLAN
A1.01 SCALE: 1: 50



R1	<ul style="list-style-type: none"> - PREFINISHED METAL ROOF, MELCHERS GREEN QC 18307 - ICE AND WATER SHIELD - PLYWOOD SHEATHING - ROOF TRUSS - R40 BATT INSULATION - VAPOUR BARRIER MEMBRANE - 16mm MOISTURE RESISTANT GYPSUM BOARD
----	--

2 ROOF PLAN
A1.01 SCALE: 1: 50



NOT FOR CONSTRUCTION

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3					
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1	2017.04.15	ISSUED FOR TENDER		JU	LB
0	2017.03.13	ISSUED FOR REVIEW		JU	LB

A B C	A detail number B numéro de detail C source drawing no. de dessin no. detail on drawing no. detail sur dessin no.	A B C
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client

Parks Canada Agency
Western and Northern Region

L'Agence Parcs
Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

S2
architecture

2nd Floor, 10835 - 124 Street NW
Edmonton, AB, Canada T5M 0H4
T.780.784.7100
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

**REFLECTED
CEILING PLAN,
ROOF PLAN**

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

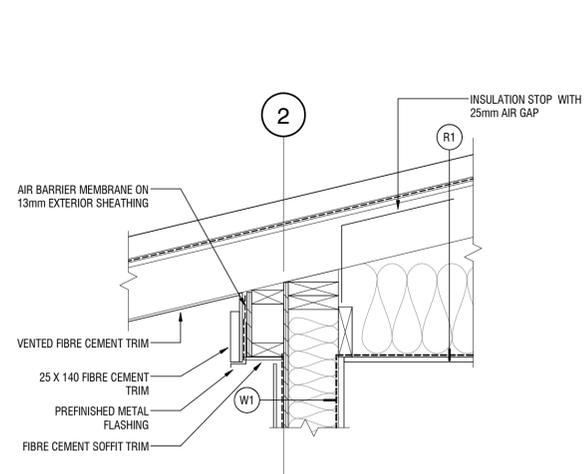
Parks Canada Project Manager / Administrateur de Projets Parcs Canada
MARK MCINTYRE

Client Acceptance / Acceptation du client	Approved by / Approuvé par

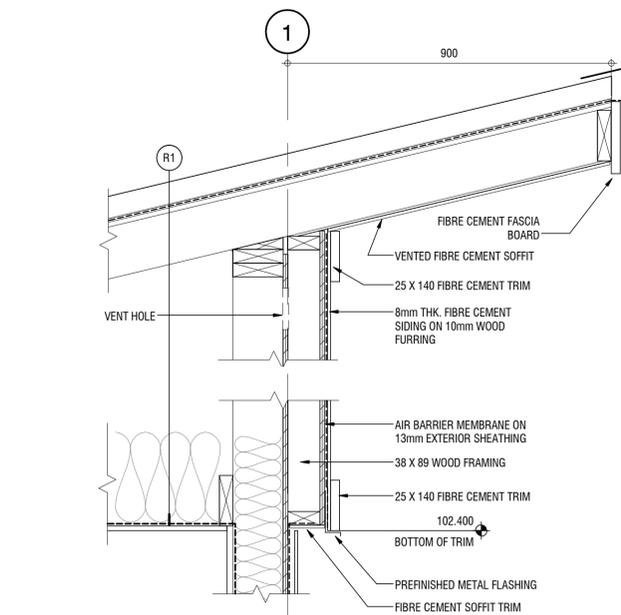
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Drawing Reference No. / No. de référence du dessin
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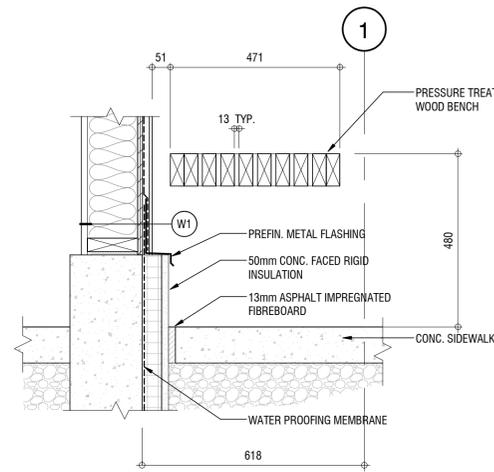
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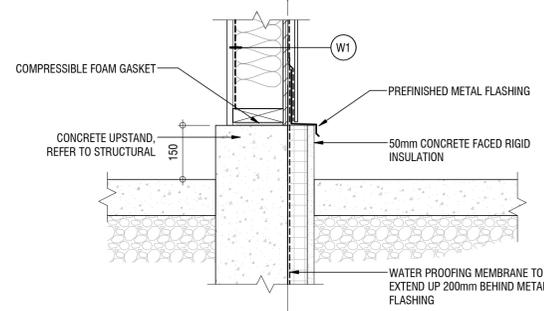
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A3.00 SCALE: 1 : 10
A2.00



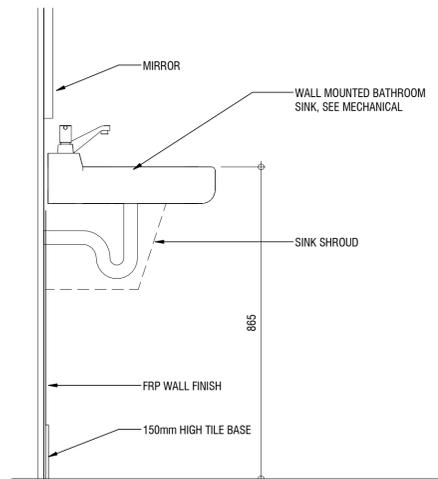
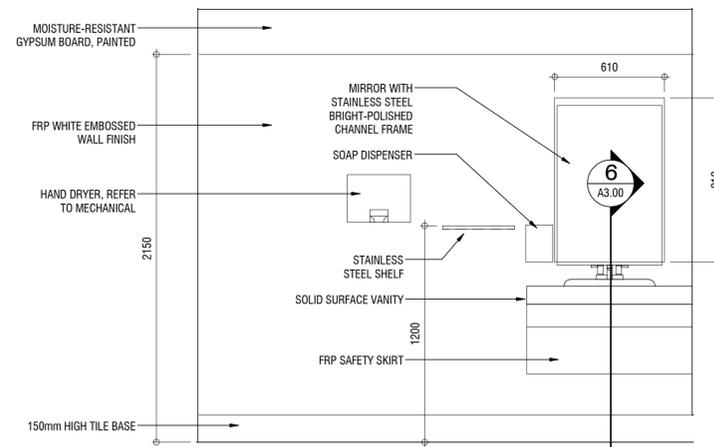
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A2.00



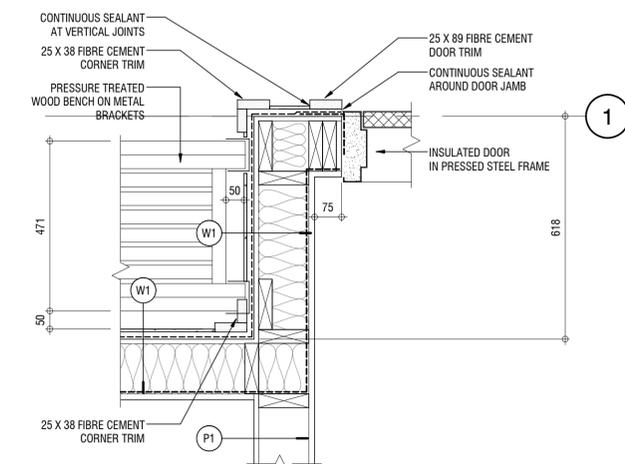
2 BENCH SECTION DETAIL
A3.00 SCALE: 1 : 10
A2.00



5 TYPICAL WASHROOM ELEVATION
A3.00 SCALE: 1 : 20



6 VANITY SECTION
A3.00 SCALE: 1 : 10
A1.00



3 BENCH PLAN DETAIL
A3.00 SCALE: 1 : 10
A1.00

NOT FOR CONSTRUCTION

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0	2017.03.13	ISSUED FOR REVIEW	JU	LB	
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A	detail number	A
B	numéro de détail	B
C	source drawing no. de dessin no.	C
	detail on drawing no. détail sur dessin no.	

Consultant's Stamp / Sceau de l'expert-conseil

Eng. Stamp / Sceau de l'ingénieur

Client

Parks Canada Agency / Agence des Parcs Canada
Western and Northern Region / Région Ouest et Nord

Consultant's Name / Nom de l'expert-conseil

S2 architecture

2nd Floor, 10835 - 124 Street NW
Edmonton, AB, Canada T5M 0H4
T.780.784.7100
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Project Title / Titre du projet

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

Drawing Title / Titre du dessin

DETAILS

Surveyed by / Arpenté par

Drawn by / Dessiné par

Date

2017.03.13

Designed by / Conçu par

Reviewed by / Révisé par

Scale / Echelle

AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet

Asset No. / No. du bien

Sheet No. / No. de la feuille

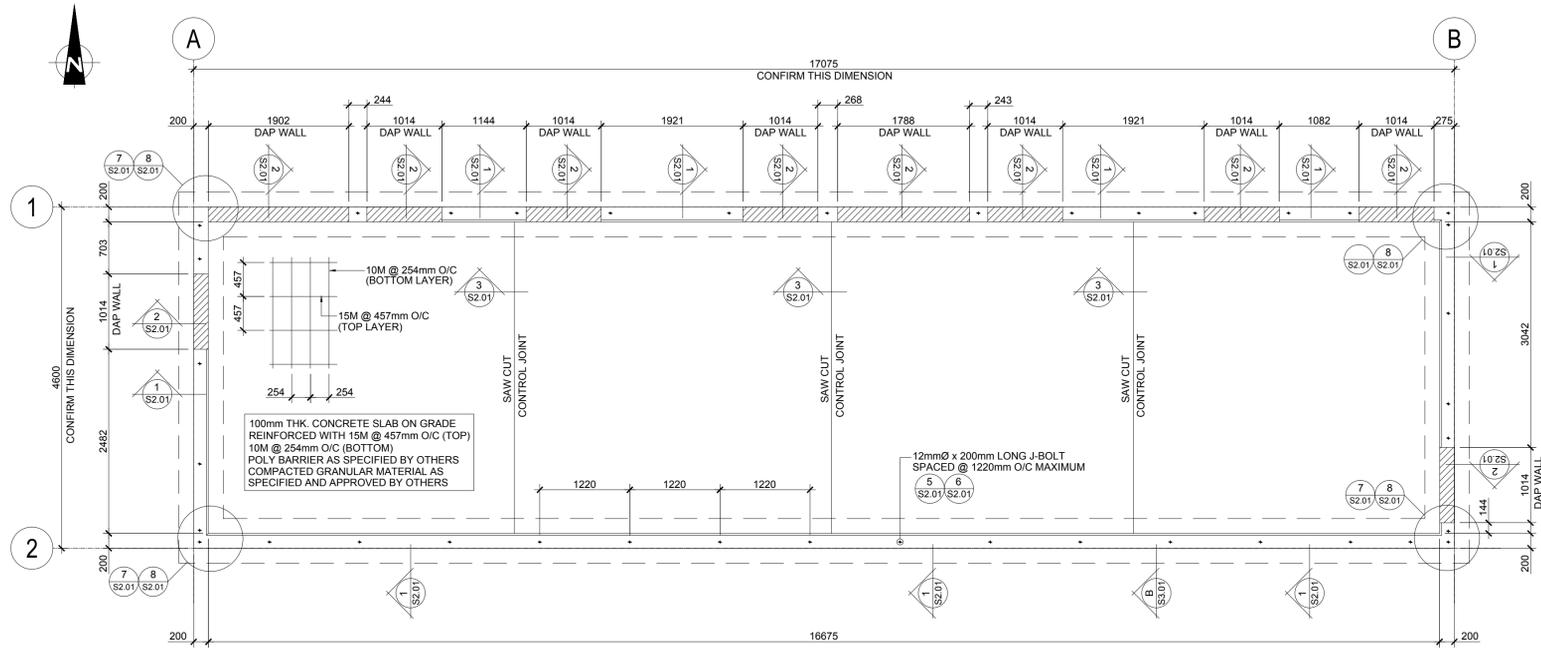
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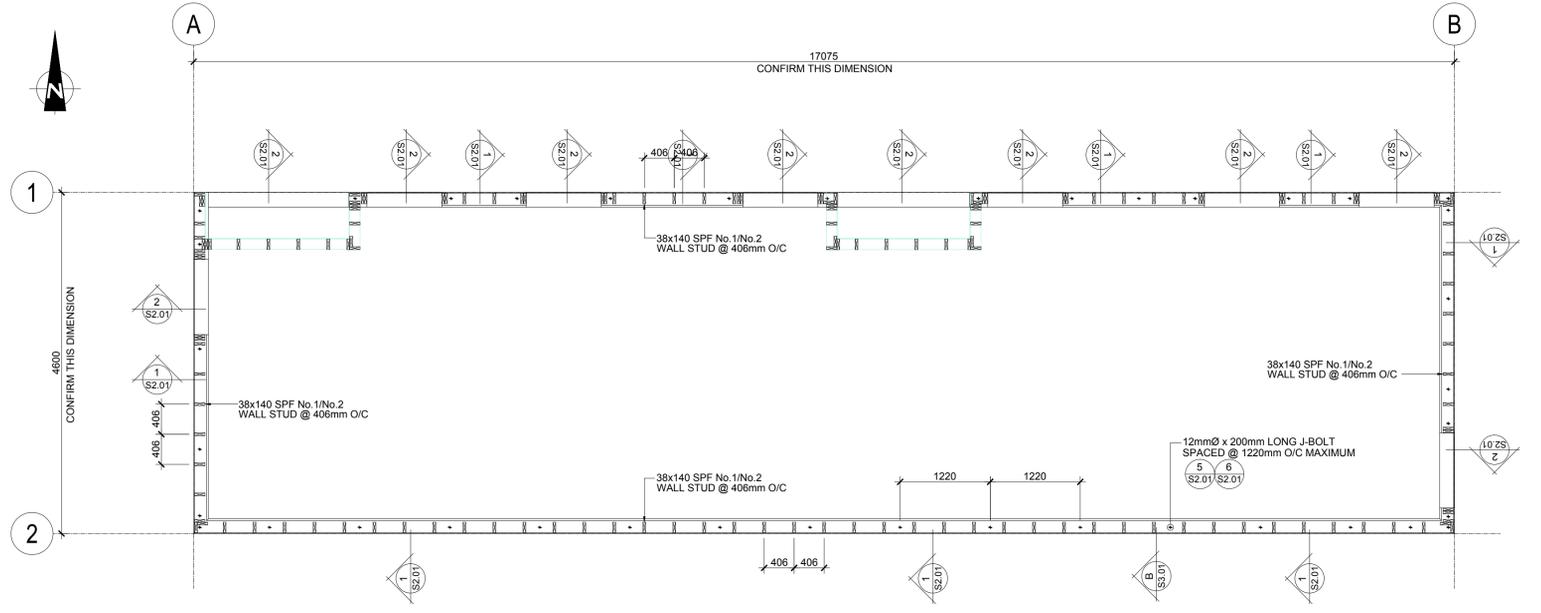
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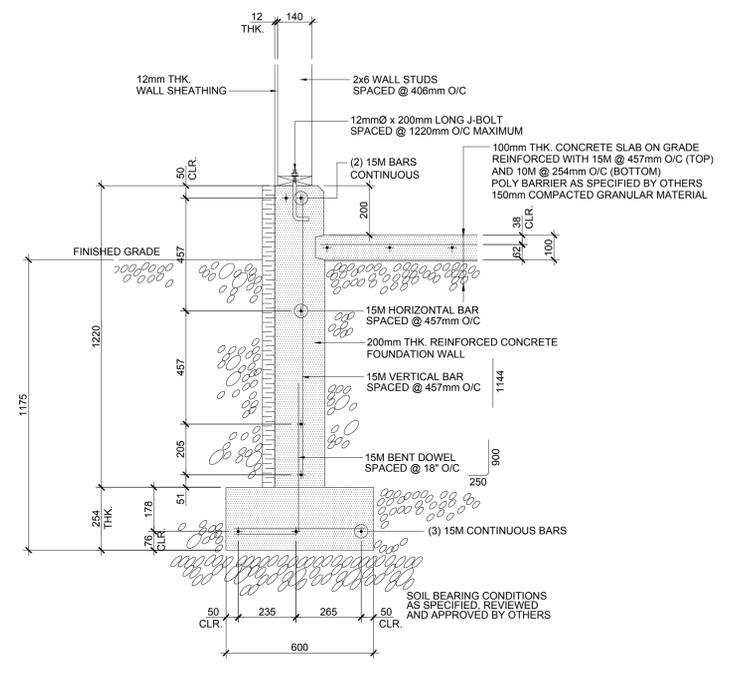
CONTRACTOR NOTE

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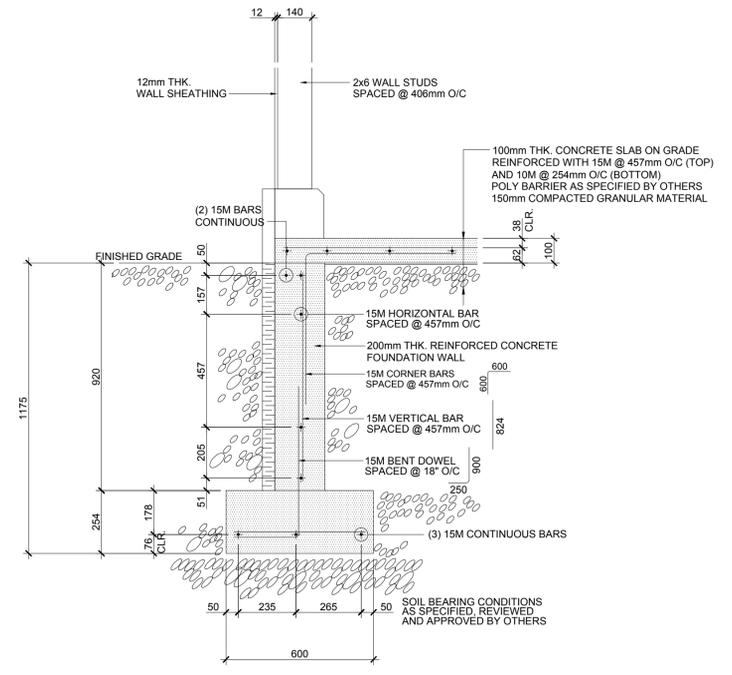
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SCALE: 1:50



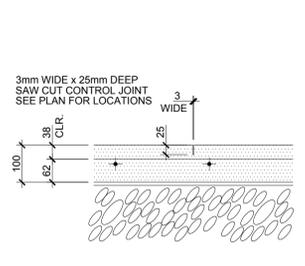
B WALL FRAMING PLAN
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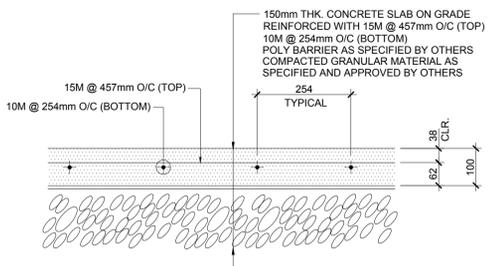
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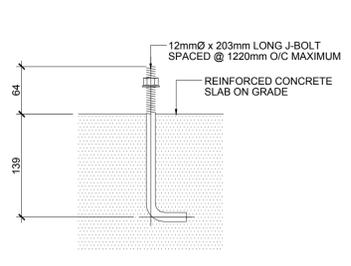
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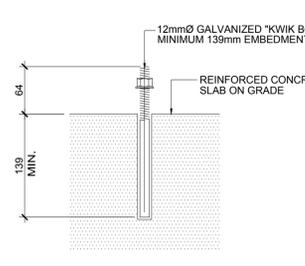
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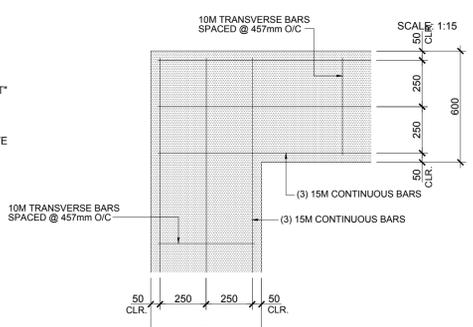
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SCALE: 1:10



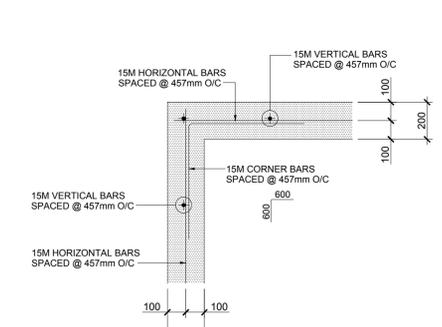
5 J-BOLT DETAIL
SCALE: 1:5



6 HILTI 'KWIK BOLT' OPTION
SCALE: 1:5



7 FOOTING CORNER DETAIL
SCALE: 1:15



8 FOUNDATION WALL CORNER DETAIL
SCALE: 1:15

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C	source drawing no. de dessin no.	B 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

McElhanney
McElhanney Consulting Services Ltd.

1800 Willock Drive
Cranbrook, BC
Canada V1C 7J9
Tel (250) 498-3013

Project Title
Titre du projet

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

Drawing Title
Titre du dessin

FOUNDATION PLAN, WALL FRAMING PLAN, FOUNDATION SECTIONS AND DETAILS

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

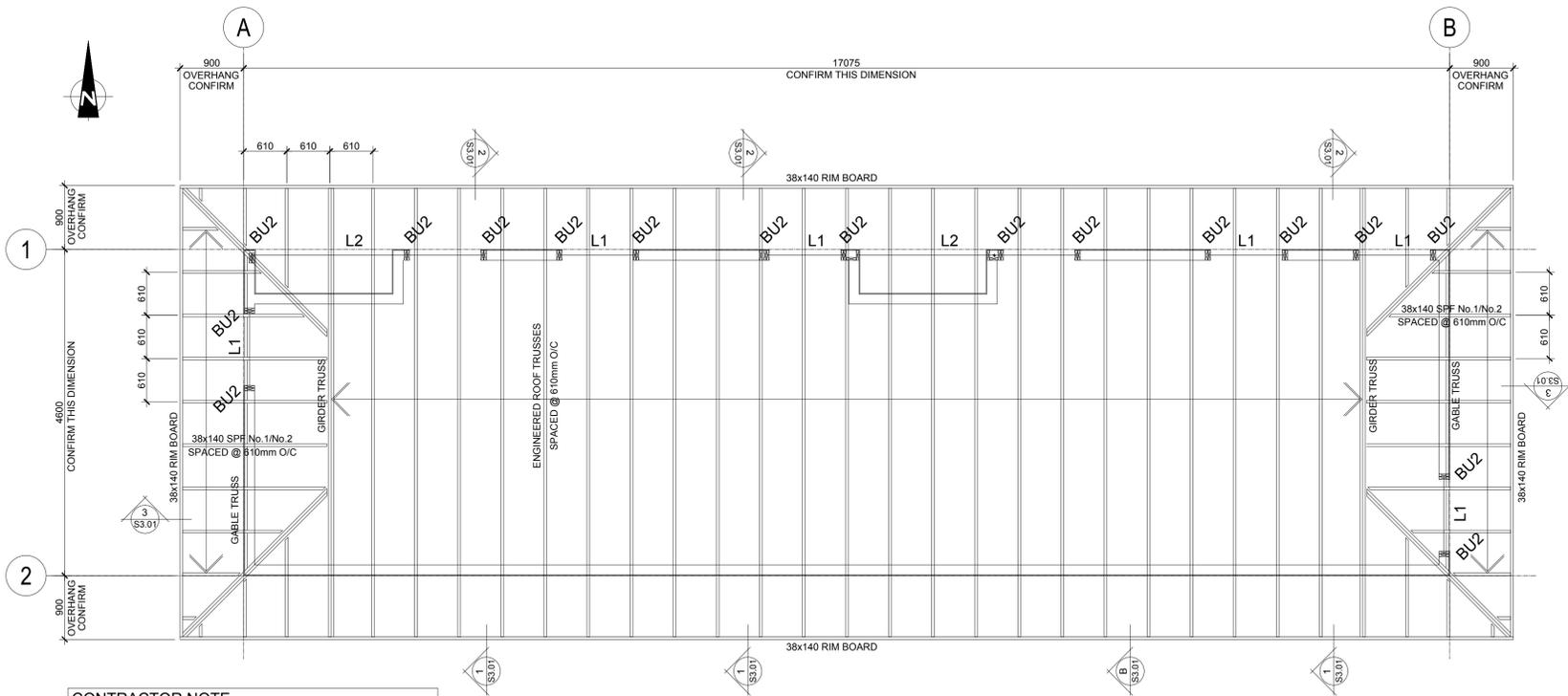
Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

Client Acceptance / Acceptation du client

Approved by / Approuvé par

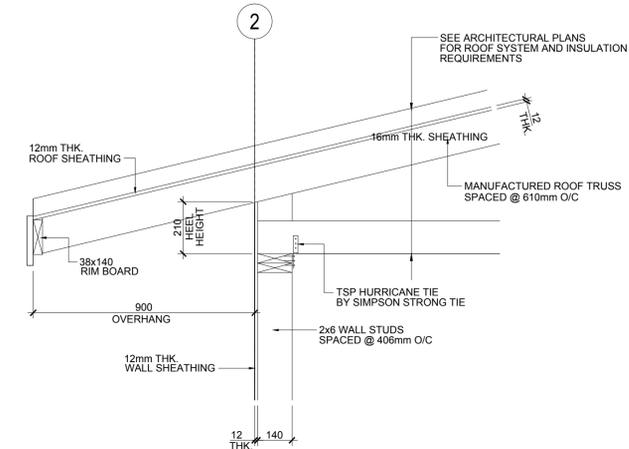
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2131-00299	####	S2.01
Drawing Reference No. / No. de référence du dessin		####



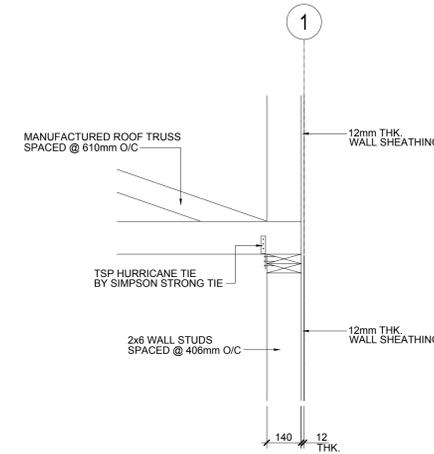
CONTRACTOR NOTE

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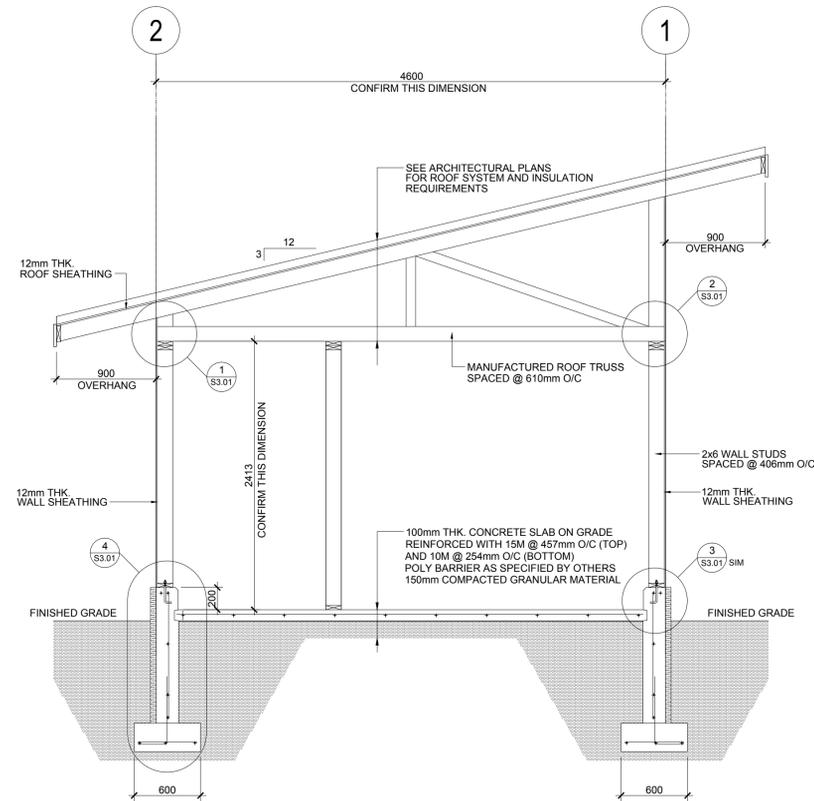
A ROOF FRAMING PLAN
SCALE: 1:50



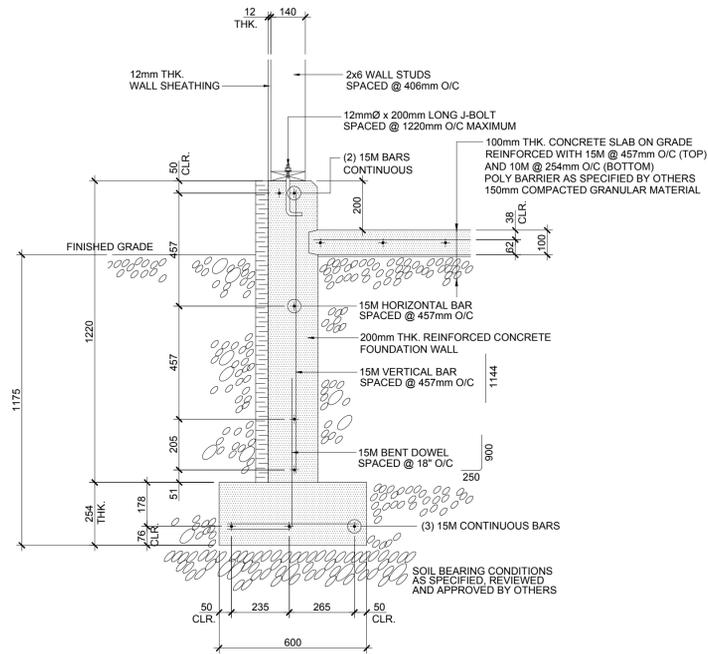
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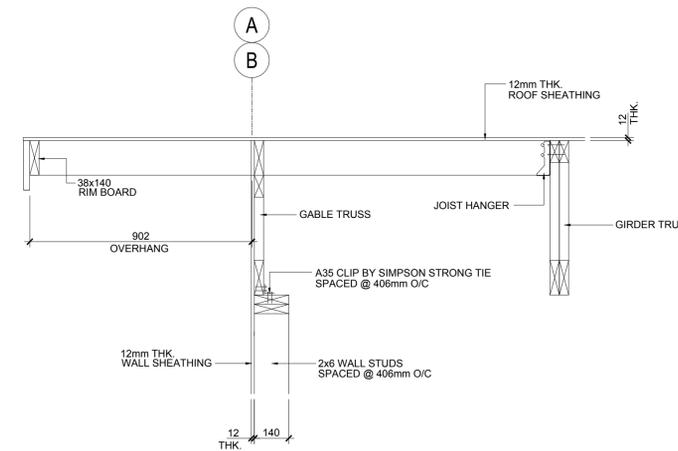
2 PARTIAL SECTION
SCALE: 1:15



B BUILDING SECTION
SCALE: 1:50



4 FOUNDATION WALL SECTION
SCALE: 1:15



3 PARTIAL SECTION
SCALE: 1:15

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C	detail on drawing no.	C

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client
 Parks Canada Agency
 Western and Northern Region
 L'Agence Parcs Canada
 Ouest et Nord Région

Consultant's Name
 Nom de l'expert-conseil
McElhanney
McElhanney Consulting Services Ltd.
 1800 Willock Drive
 Cranbrook, BC
 Canada V1C 7J9
 Tel (250) 498-3013

Project Title
 Titre du projet
ELK ISLAND VISITOR CENTRE REHABILITATION
 FORT SASKATCHEWAN
 ELK ISLAND NATIONAL PARK, AB

Drawing Title
 Titre du dessin
ROOF FRAMING PLAN, BUILDING SECTION AND PARTIAL SECTIONS

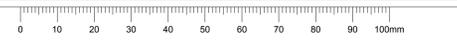
Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
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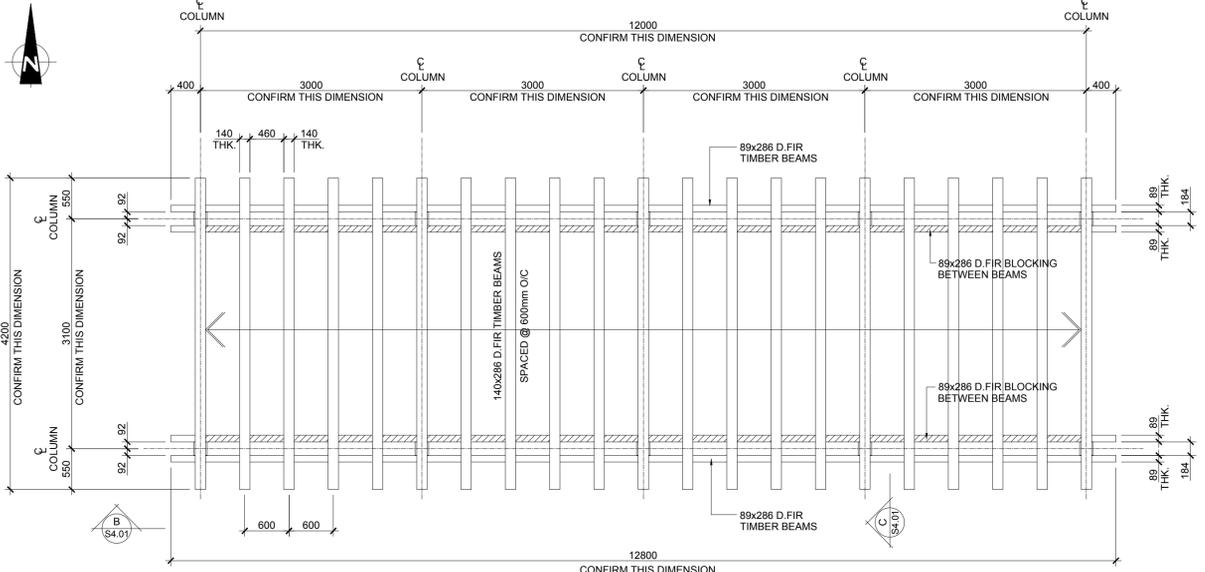
Parks Canada Project Manager / Administrateur de Projets Parcs Canada
MARK MCINTYRE

Client Acceptance / Acceptation du client
 Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299	####	S3.01

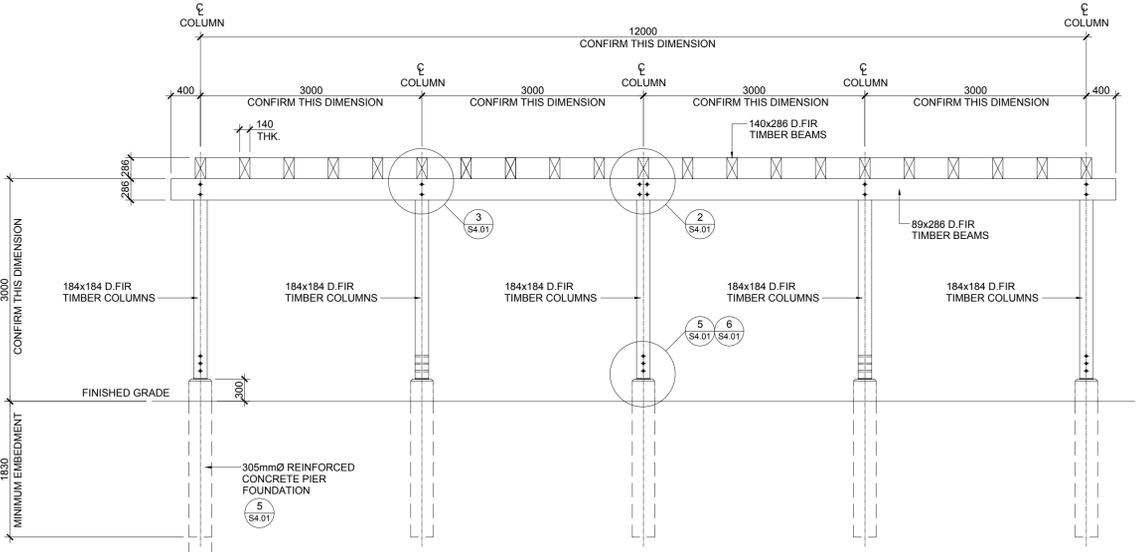
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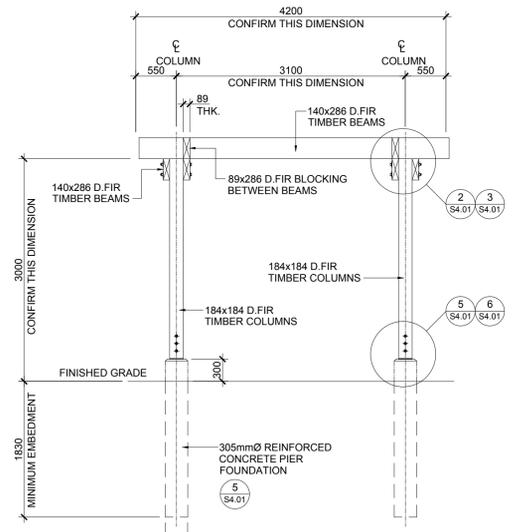


CONTRACTOR NOTE
 THESE DRAWINGS IDENTIFY STRUCTURAL FRAMING DETAILS ONLY AND DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. REFER TO THE ARCHITECTURAL PLANS PREPARED BY SZ ARCHITECTURE FOR ALL DIMENSIONS, INSULATION, VAPOUR BARRIER, AIR BARRIER, AND DRAINAGE REQUIREMENTS PRIOR TO CONSTRUCTION. REPORT ALL DISCREPANCIES TO ENGINEER.

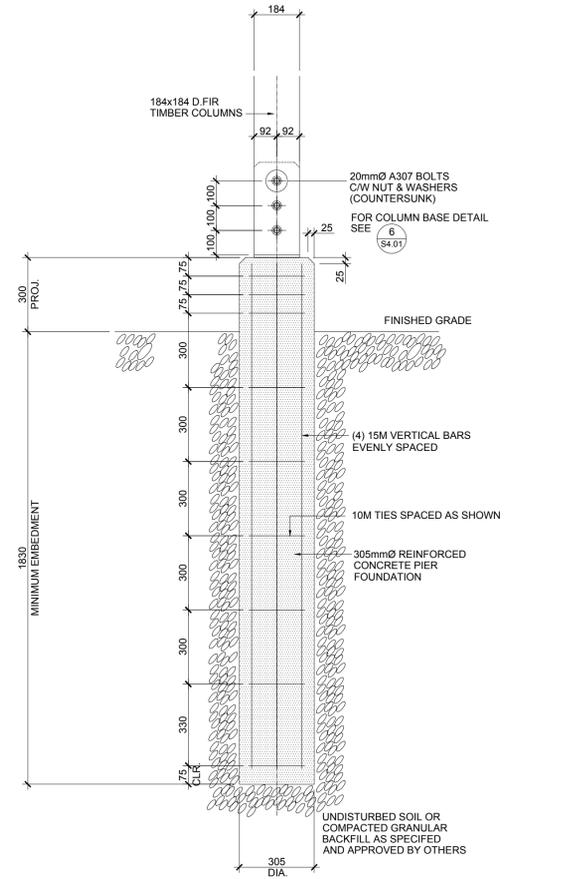
A PERGOLA - ROOF FRAMING PLAN
 SCALE: 1:50



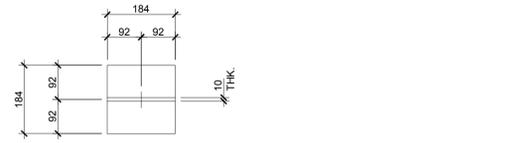
B PERGOLA - FRONT ELEVATION
 SCALE: 1:50



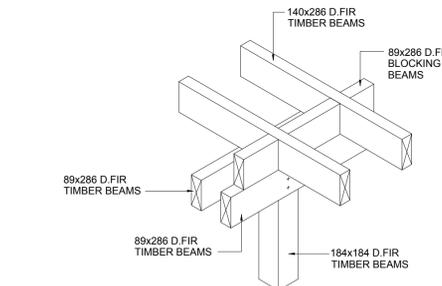
C PERGOLA - SECTION
 SCALE: 1:50



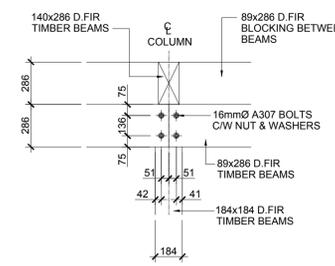
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 SCALE: 1:25



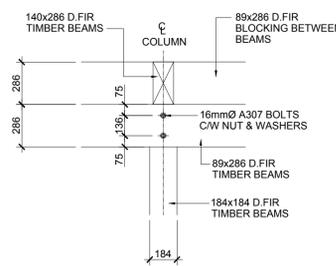
6 COLUMN BASE DETAIL
 SCALE: 1:10



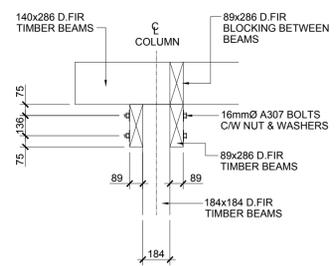
1 PERGOLA - CONNECTION DETAIL
 SCALE: 1:50



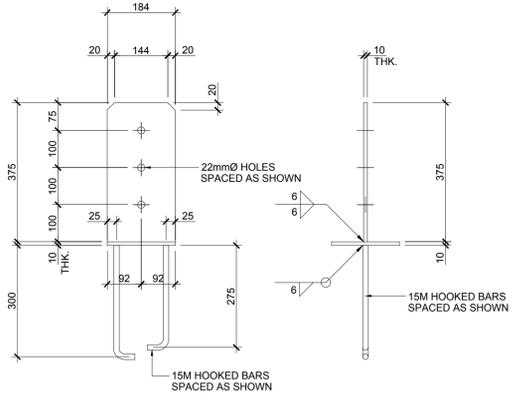
2 CONNECTION DETAIL
 SCALE: 1:25



3 CONNECTION DETAIL
 SCALE: 1:25



4 CONNECTION DETAIL
 SCALE: 1:25



6 COLUMN BASE DETAIL
 SCALE: 1:10

NOT FOR CONSTRUCTION

#	#	#	#	#	
3					
2					
1					
0	2017.03.13	ISSUED FOR REVIEW	JU	LB	
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A	A detail number	A
B	B source drawing no.	B C
C	C detail on drawing 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

McElhanney
 McElhanney Consulting Services Ltd.

1800 Willock Drive
 Cranbrook, BC
 Canada V1C 7H9
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Project Title
 Titre du projet

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

Drawing Title
 Titre du dessin

PERGOLA ROOF FRAMING PLAN AND ELEVATIONS

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

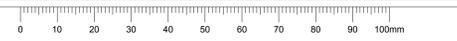
Parks Canada Project Manager / Administrateur de Projets Parcs Canada

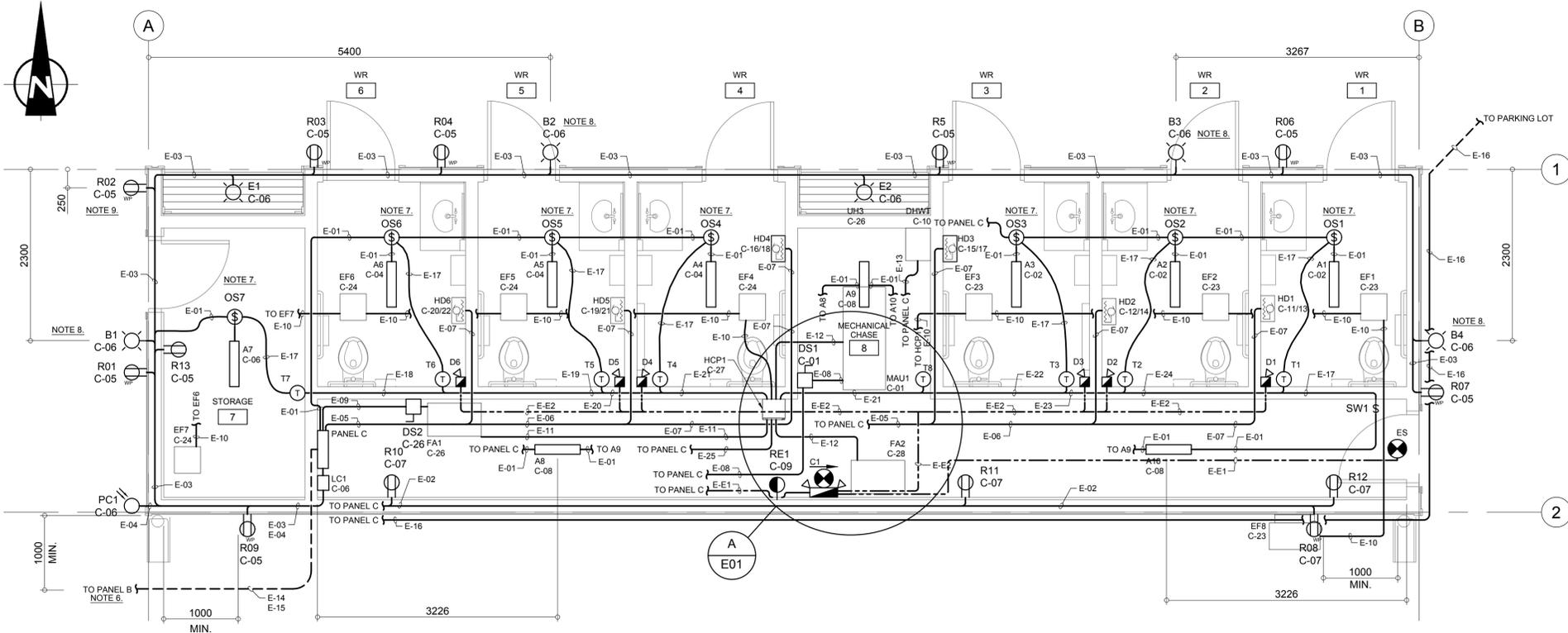
MARK MCINTYRE

Client Acceptance / Acceptation du client

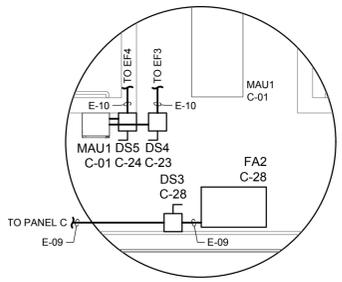
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Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299	####	S4.01
Drawing Reference No. / No. de référence du dessin		
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1 PLAN VIEW
E1 SCALE: 1:40



A EXHAUST FAN DISCONNECT TYPICAL
E1 SCALE: 1:40

ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
OS1 TO OS7	OCCUPANCY SENSOR, PASSIVE INFRARED, LINE VOLTAGE, DUAL RELAY, CEILING MOUNTED, 120V, 800W, 0-40°C	EATON	OAC-P-1500-DMV	7
SW1	LIGHT SWITCH, 1-WAY, 120V, 15A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	1
R10 TO R13	RECEPTACLE, DUPLEX NEMA 5-15R	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	4
R01 TO R09	RECEPTACLE, DUPLEX NEMA 5-15R, CLASS A GFCI, TAMPER RESISTANCE	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	9
R01 TO R09	WEATHER PROOF COVER FOR RECEPTACLE	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	9
RE1	RECEPTACLE, SINGLE NEMA 5-15R	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	1
PANEL C	PANELBOARD, 240/120V, 1 PHASE SPLIT, 3 WIRE, 200A BUS, 100A MBR, 42 CIRCUITS, SURFACE MOUNT	SCHNEIDER	SQUARE D NQ42L2 MH50, NC50S, NOMB2Q, PK27GTA, QBL22100	1
PANEL C	BREAKER, 15A, 1 POLE	SCHNEIDER	SQUARE D QOB115	16
PANEL C	BREAKER, 15A, 2 POLE	SCHNEIDER	SQUARE D QOB215	7
PANEL C	BREAKER, 20A, 2 POLE	SCHNEIDER	SQUARE D QOB220	0
DS1 TO DS5	MANUAL DISCONNECT SWITCH, LOCK OUT HASP, 600V, 30A	HUBBELL	HBLHBL1379D	5
HD1 TO HD6	HAND DRYER, 240V, 1900W, 60Hz	BOBRICK	B-7128	6
ES	EXIT SIGN, 120V, C/W BATTERY BACKUP	THOMAS & BETTS	LUMACELL 10LMCE-SP-TP	1
LC1 / PC1	EXTERIOR LIGHTING CONTACTOR / PHOTOCCELL 120V, 20A, 2 P, HOA SELECTOR SWITCH	SCHNEIDER	8903-LG20-V02-C-G101	1

ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
A	LOW PROFILE LED WRAPAROUND, 3500K, 120V, 25W, TAMPER-RESISTANT	KENALL	MLH5-24-F-MW-PP-1-25L35K-DDC-1-120-DL	10
B	WALL PACK LED LAMP, 5000K, 120V, 26W, -40°C TO +40°C	RC LIGHTING	WPLED26 RCL	4
C	EXIT SIGN WITH EMERGENCY LED LAMPS (6V, 4W) AND BATTERY (6VDC, 44W)	THOMAS & BETTS	LUMACELL 10LMCE-2-LD1-TP	1
D	REMOTE EMERGENCY LED LAMP, 1 HEAD (6V, 4W)	THOMAS & BETTS	LUMACELL RS10LD6V4W-M	6
E	DOWN LED LAMP, 4000K, 120V, 16W, -40°C TO 40°C	LITHONIA LIGHTING	OLCFM 15 DDB	2
F	SOLAR POWER LED LIGHTING ATTACHED TO TRELLIS (NOT SHOWN)	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	MIN. 5

ID	DESCRIPTION	TRADE SIZE	FILL	BONDING	INSULATION
E-01	INTERIOR LIGHTING	16	24	2x 1C #12 AWG	#14 AWG RW90
E-02	MECHANICAL CHASE RECEPTACLES	16	24	2x 1C #12 AWG	#14 AWG RW90
E-03	STORAGE ROOM AND EXTERIOR LIGHT AND RECEPTACLES	21	23	4x 1C #12 AWG	#14 AWG RW90
E-04	PHOTO CELL	16	24	2x 1C #12 AWG	#14 AWG RW90
E-05	HAND DRYER	21	33	6x 1C #12 AWG	#14 AWG RW90
E-06	HAND DRYER	21	23	4x 1C #12 AWG	#14 AWG RW90
E-07	HAND DRYER	16	24	2x 1C #12 AWG	#14 AWG RW90
E-08	MAKE UP AIR UNIT	16	24	2x 1C #12 AWG	#14 AWG RW90
E-09	FORCED AIR FURNACE	16	24	2x 1C #12 AWG	#14 AWG RW90
E-10	EXHAUST FANS (SWITCHED POWER)	16	24	2x 1C #12 AWG	#14 AWG RW90
E-11	HVAC CONTROL (HEAT/FAN)	21	23	4x 1C #12 AWG	#14 AWG RW90
E-12	HVAC CONTROL (HEAT)	16	24	2x 1C #12 AWG	#14 AWG RW90
E-13	HOT WATER HEATER	16	24	2x 1C #12 AWG	#14 AWG RW90
E-14	MAIN SUPPLY (UNDERGROUND)	53	20	3x 1C #1 AWG	#6 AWG RW90
E-15	SECURITY (UNDERGROUND)	35			TBD NOTE 10
E-16	PARKING LOT LIGHTS (ABOVE & UNDERGROUND)	53			TBD NOTE 11
E-17	OCCUPANCY	16	16	2x 1C #16 AWG	#14 AWG RW90
E-18	OCCUPANCY & TEMPERATURE	21	24	1x 1PR #16 AWG SH 2x 1C #16 AWG	#14 AWG RW90
E-19	OCCUPANCY & TEMPERATURE	27	28	2x 1PR #16 AWG SH 4x 1C #16 AWG	#14 AWG RW90
E-20	OCCUPANCY & TEMPERATURE	35	23	3x 1PR #16 AWG SH 6x 1C #16 AWG	#14 AWG RW90
E-21	OCCUPANCY & TEMPERATURE	35	31	4x 1PR #16 AWG SH 8x 1C #16 AWG	#14 AWG RW90
E-22	OCCUPANCY & TEMPERATURE	35	25	3x 1PR #16 AWG SH 8x 1C #16 AWG	#14 AWG RW90
E-23	OCCUPANCY & TEMPERATURE	35	31	2x 1PR #16 AWG SH 6x 1C #16 AWG	#14 AWG RW90
E-24	OCCUPANCY & TEMPERATURE	27	30	1x 1PR #16 AWG SH 4x 1C #16 AWG	#14 AWG RW90
E-25	HVAC CONTROL PANEL POWER & EXHAUST FAN POWER	21	33	6x 1C #12 AWG	#14 AWG RW90
E-E1	EMERGENCY LIGHTING 120VAC SUPPLY	16	24	2x 1C #12 AWG	#14 AWG RW90
E-E2	EMERGENCY LIGHTING 6VDC DISTRIBUTION	16	20	2x 1C #14 AWG	#14 AWG RW90

PANEL C SCHEDULE											
240/120 VOLT		FEEDER: 3x 1C #1 AWG		PANEL: PANEL C							
1 SPLIT PHASE		MLO/MBR: 100 A MBR		LOCATION: WASHROOM MECHANICAL CHASE							
3 WIRE		BUS SIZE: 200 A		MTG.: SCHNEIDER							
DESCRIPTION	PHASE		BREAKER TRIP	POLE	CCT No.	CCT No.	BREAKER PHASE		DESCRIPTION		
	L1	L2					L1	L2			
MAKE UP AIR UNIT MAU1	1000		15	1	1	2	1	15	75	LIGHTS WASHROOM 1-3	
SPARE			15	1	3	4	1	15	75	LIGHTS WASHROOM 4-6	
RECEPTACLES STORAGE ROOM / EXTERIOR	960		15	1	5	6	1	15	150	LIGHTS STORAGE ROOM / EXTERIOR	
RECEPTACLES MECHANICAL CHASE		480	15	1	7	8	1	15	75	LIGHTS MECHANICAL CHASE	
EMERGENCY LIGHTING AND EXIT SIGNS	1		15	1	9	10	1	15	350	HOT WATER HEATER	
HAND DRYER HD1	950	950	15	2	11	12	2	15	950	HAND DRYER HD2	
HAND DRYER HD3	950		15	2	15	16	2	15	950	HAND DRYER HD4	
HAND DRYER HD5	950		15	2	19	20	2	15	950	HAND DRYER HD6	
EXHAUST FAN EF1, EF2, EF3, EF8	1000		15	1	23	24	1	15	550	EXHAUST FAN EF4, EF5, EF6, EF7	
SPARE			15	1	25	26	1	15	700	FURNACE FA1	
HVAC CONTROL PANEL HCP1	50		15	1	27	28	1	15	700	FURNACE FA2	
SPACE					29	30					
SPACE					31	32					
SPACE					33	34					
SPACE					35	36					
SPACE					37	38					
SPACE					39	40					
SPACE					41	42					
SUBTOTALS	4811	4380							4125	4250	SUBTOTALS
PHASE L1 SUBTOTAL	8.94 KW										
PHASE L2 SUBTOTAL	8.63 KW										
TOTAL	17.57 KW										

- ### LEGEND
- DUPLEX RECEPTACLE, NUMBER 'x', FED BY PANEL 'y' CIRCUIT 'zz'
 - GFCI DUPLEX RECEPTACLE
 - WEATHER PROOF, GFCI DUPLEX RECEPTACLE
 - SINGLE RECEPTACLE, RESERVED FOR EMERGENCY LIGHTING
 - LOCAL DISCONNECT SWITCH NUMBER 'xx', FED BY PANEL 'y' CIRCUIT 'zz'
 - THERMOSTAT
 - EXIT SIGN WITH, C/W DIRECTION ARROW AS REQUIRED
 - EMERGENCY LIGHTING WITH BATTERY BACKUP, SEE LUMINAIRE SCHEDULE FOR DETAILS
 - EMERGENCY LIGHTING REMOTE HEAD, SEE LUMINAIRE SCHEDULE FOR DETAILS
 - 'x'-WAY SWITCH, IF 'x' IS OMITTED SWITCH IS A STANDARD 2-WAY SWITCH
 - OCCUPANCY SENSOR SWITCH
 - LIGHT FIXTURE, TYPE A, SEE LUMINAIRE SCHEDULE FOR DETAILS
 - LIGHT FIXTURE, TYPE B, SEE LUMINAIRE SCHEDULE FOR DETAILS
 - CONDUIT OF TRADE SIZE xx WITH yy WIRES AND zz BONDING.
 - CONDUIT FOR EMERGENCY LIGHTING

- ### NOTES
- EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATIONS. ACTUAL LOCATION SHALL BE FIELD LOCATED.
 - PATH OF CONDUITS SHOWN ARE EXAGGERATED FOR CLARITY. ALL CONDUIT SHALL BE INSTALLED WITHIN THE BUILDING WITH THE ACTUAL PATH TO BE FIELD DETERMINED AND FIELD FIT.
 - CONDUIT SCHEDULE IS NOT EXHAUSTIVE.
 - ALL EQUIPMENT SHALL BE BONDED AS PER CEC.
 - THE WASHROOMS ARE AN OUT BUILDING TO THE VISITOR CENTRE. PANEL C SHALL BE BONDED TO PANEL B. THERE SHALL BE NO CONNECTION TO GROUND MADE WITHIN THE WASHROOM BUILDING.
 - THE UNDERGROUND CONDUIT E-14 AND E-15 SHALL BE FIELD ROUTED FROM THE MECHANICAL ROOM IN THE VISITOR CENTRE TO THE WASHROOM BUILDING.
 - LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS (OS1-OS7) SHALL BE FIELD DETERMINED AS PER MANUFACTURER'S SPECIFICATIONS.
 - WALL PACKS SHALL BE MOUNTED 2.5 m ABOVE FINISHED GRADE.
 - MOUNT RECEPTACLE TO THE WALL BELOW THE SOFFIT AND NOT LOWER THAN 2.75 m ABOVE SLAB.
 - DETAILS OF SECURITY SYSTEM SHALL BE PROVIDED BY OTHER.
 - DETAILS OF PARKING LOT LIGHT SHALL BE PROVIDED BY OTHERS.

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#	#	#	#	#	
2	2017.05.10	ISSUED FOR TENDER	BAC	BAC	STH
1	2017.04.27	ISSUED FOR TENDER	BAC	BAC	STH
0	2017.04.15	ISSUED FOR TENDER	BAC	BAC	STH

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

PROFESSIONAL ENGINEER
INGÉNIEUR

PERMIT TO PRACTICE
READY ENGINEERING CORPORATION
PERMIT NUMBER P6520

May 10, 2017

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs
Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanny
McElhanny Consulting Services Ltd.

READY
Engineering
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Project Title
Titre du projet

ELK ISLAND VISITORS CENTRE
REHABILITATION

FORT SASKATCHEWAN
ELK ISLAND NATIONAL PARK, AB

Drawing Title
Titre du dessin

WASHROOM
ELECTRICAL LAYOUT

Surveyed by / Arpenté par

Drawn by / Dessiné par

Date

BAC

2017.04.17

Designed by / Conçu par

Reviewed by / Révisé par

Scale / Echelle

BAC

STH

AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet

Asset No. / No. du bien

Sheet No. / No. de la feuille

2131-00299

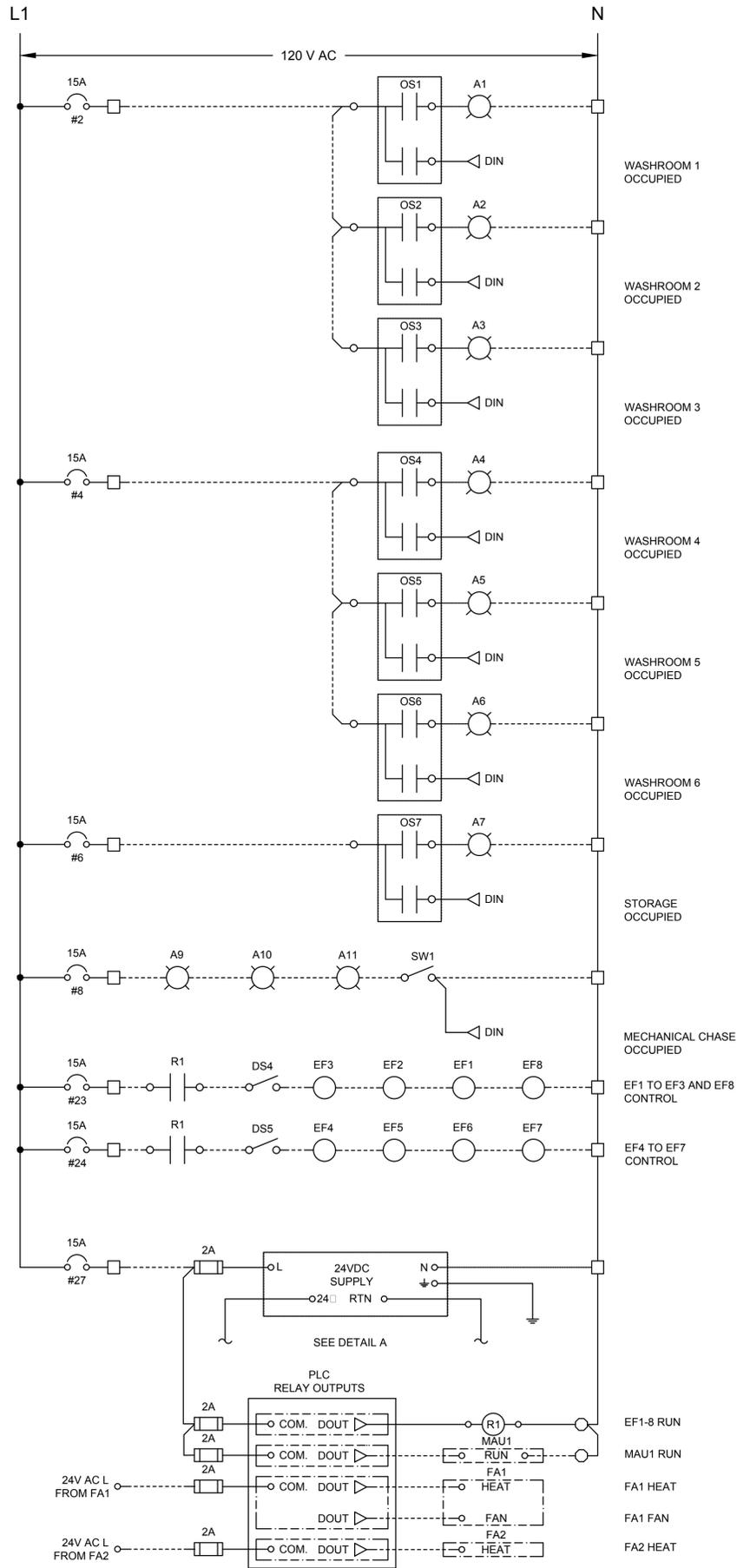
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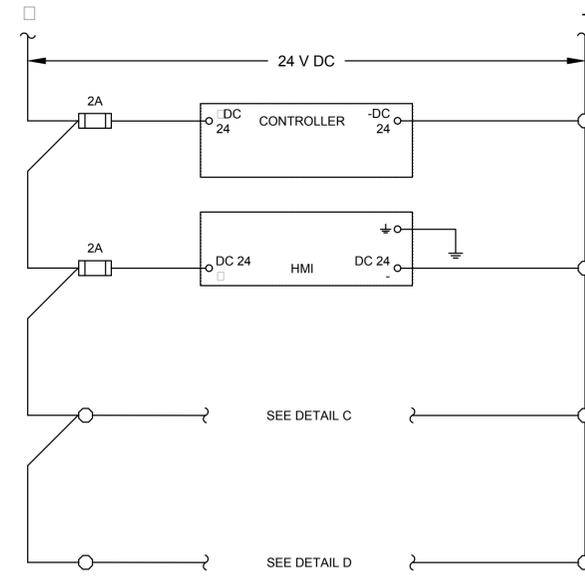
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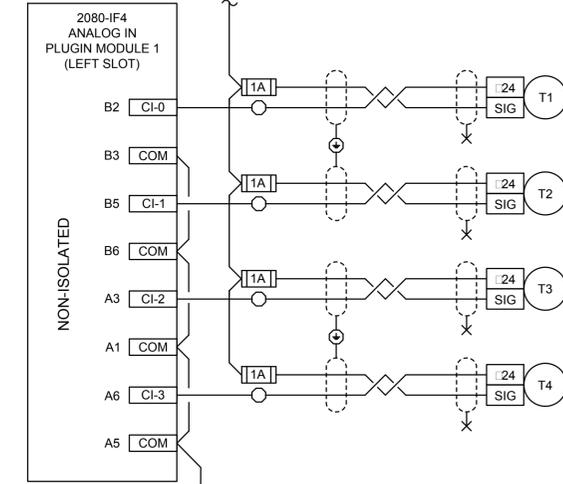




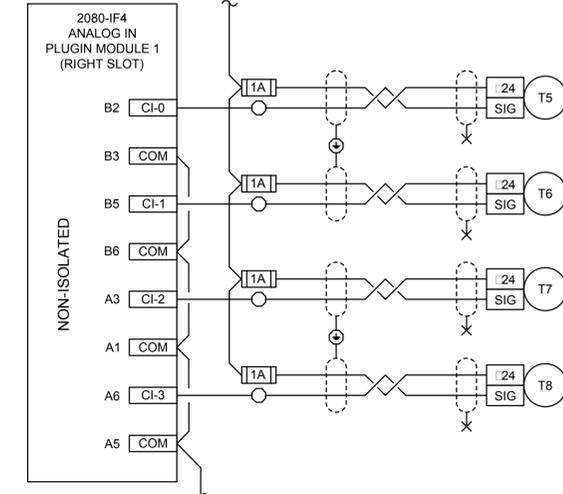
A 120 V AC DISTRIBUTION
E2 SCALE: NTS



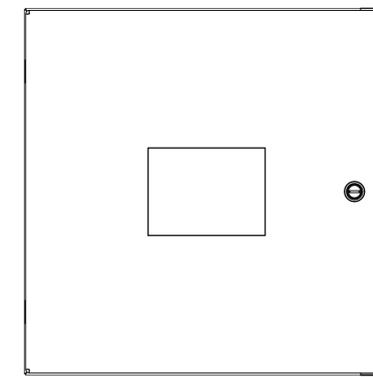
B 24 V DC DISTRIBUTION
E2 SCALE: NTS



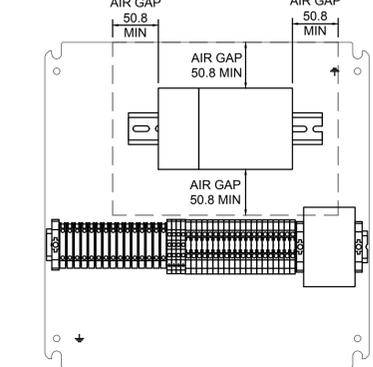
C ANALOG MODULE 1
E2 SCALE: NTS



D ANALOG MODULE 1
E2 SCALE: NTS



E HVAC CONTROL PANEL HCP1 EXTERIOR
E2 SCALE: NTS



F HCP1 INTERIOR LAYOUT
E2 SCALE: NTS

LEGEND

- ◁ CONTROLLER INPUT
- ▷ CONTROLLER OUTPUT
- LIGHTING PANEL C TERMINAL
- HCP1 PASS THROUGH TERMINAL
- ⊕ HCP1 PASS GROUND TERMINAL
- [1A] FUSE TERMINAL, WITH xA FUSE

NOTES

1. SEE DRAWING M1 FOR LOCATIONS OF HVAC EQUIPMENT

CONTROL NARRATIVE

1. NO CALL FOR HEAT AND NO ROOM OCCUPIED:
 - ALL EQUIPMENT IS IDLE
2. CALL FOR HEAT FROM WASHROOM 1-6 OR STORAGE ROOM:
 - MAU1 RUN ON
 - FA1 HEAT ON
 - EF1-8 RUN ON
2. CALL FOR HEAT FROM MECHANICAL CHASE:
 - FA2 HEAT ON
3. NO CALL FOR HEAT AND WASHROOM 1-6, STORAGE ROOM, OR MECHANICAL CHASE OCCUPIED:
 - MAU1 RUN ON
 - FA1 FAN ON
 - EF1-8 RUN ON

NARRATIVE NOTES:

- i. MAU1 SHALL INTERNALLY DETERMINE IF HEAT IS REQUIRED BASED ON SET POINT AND EXTERNAL AIR TEMPERATURE.
- ii. FA1 AND FA2 SHALL INTERNALLY CONTROL THE FAN WHEN HEAT IS CALLED FOR.

SET POINTS:

- MAU1: 21°C
- FA1: 21°C
- FA2: 21°C

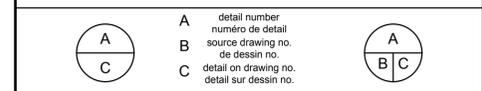
EQUIPMENT SCHEDULE				
ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
T1 TO T8	TEMPERATURE TRANSMITTER, STAINLESS STEEL PLATE/SURFACE MOUNT, 4. 20mA, 0-35°C, TAMPERPROOF SCREWS	GREYSTONE ENERGY SYSTEMS	TE500AS121A1TP	8
HCP1	HVAC CONTROLLER, MICRO820 (8 120V AC INPUTS, 7 RELAY OUTPUTS)	ALLEN-BRADLEY	2080-LC20-20AWBR	1
-	ANALOGUE (4. 20mA) INPUT MODULES	ALLEN-BRADLEY	2080-IF4	2
-	24VDC POWER SUPPLY	ALLEN-BRADLEY	2080-PS120-240VAC	1
-	LCD DISPLAY WITH KEYPAD	ALLEN-BRADLEY	2080-REMLCD	1
-	ENCLOSURE, 406 H x 406 W x 254 H, NEMA TYPE 12, QUARTER TURN LATCH	HOFFMAN	CSD161610	1
-	ENCLOSURE BACK PANEL 361 H x 361 W	HOFFMAN	CP1616	1
-	TERMINALS - PASS THROUGH	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	20
-	TERMINALS - FUSED	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	14
-	FUSES, 120V 2A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	4
-	FUSES, 24 VDC 2 A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	2
-	FUSES, 24 VDC 1 A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	8
-	RELAY, DPDT, 120VAC COIL, 10A @ 300VAC CONTACTS	ALLEN-BRADLEY	700-N400A1	1

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
3					
2					
1	2017.05.10	ISSUED FOR TENDER	BAC	BAC	STH
0	2017.04.27	ISSUED FOR TENDER	BAC	BAC	STH



Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

PERMIT TO PRACTICE
READY ENGINEERING CORPORATION
PERMIT NUMBER P6520

May 10, 2017

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs
Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

McElhanny
McElhanny Consulting Services Ltd.

READY Engineering
READY ENGINEERING CORPORATION
PHONE: 780-960-6663
FAX: 780-960-6664
WEBSITE: www.readyengineering.com

Project Title
Titre du projet

**ELK ISLAND VISITORS CENTRE
REHABILITATION**

FORT SASKATCHEWAN
ELK ISLAND NATIONAL PARK, AB

Drawing Title
Titre du dessin

**WASHROOM
HVAC CONTROL**

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	BAC	2017.04.27
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
BAC	STH	AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. / No. de la feuille
2131-00299	####	E2
Drawing Reference No. / No. de référence du dessin		####

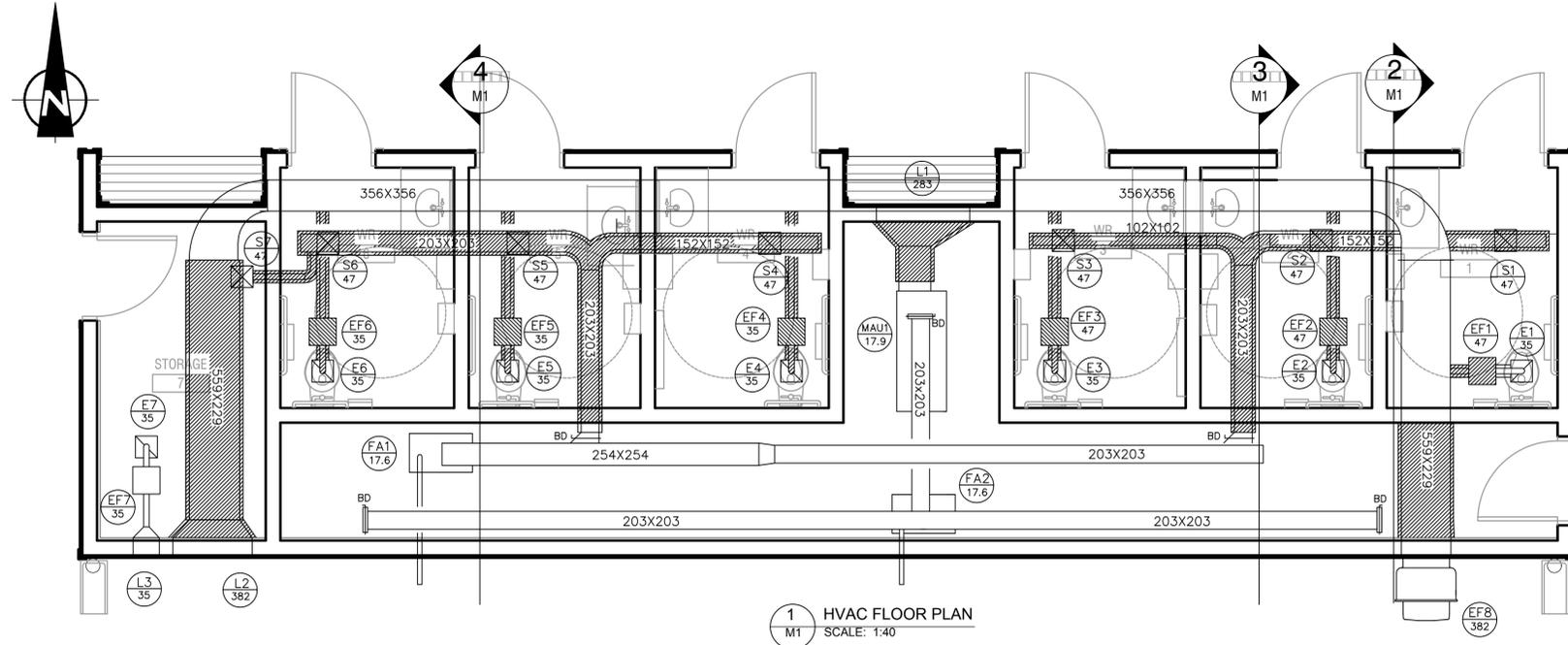
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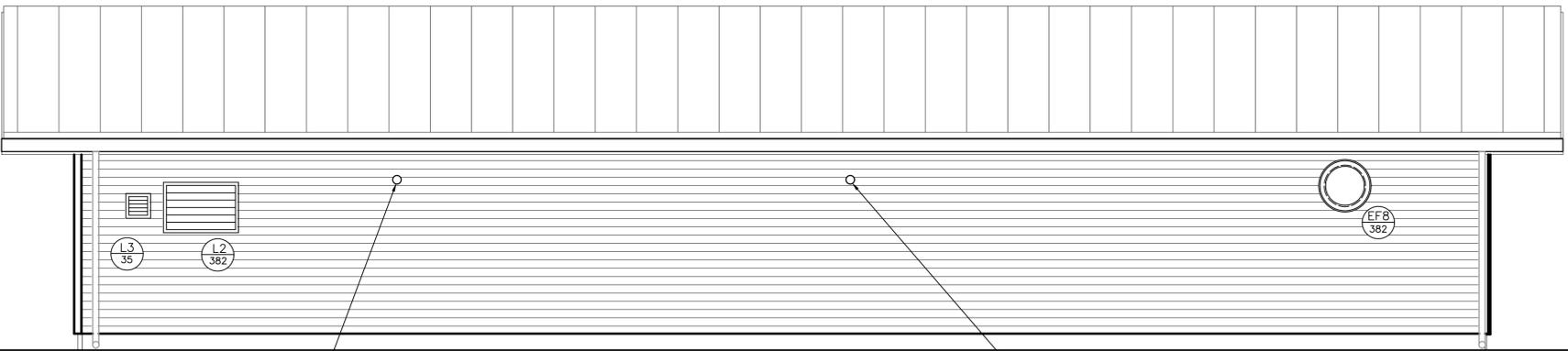
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1 HVAC FLOOR PLAN
SCALE: 1:40



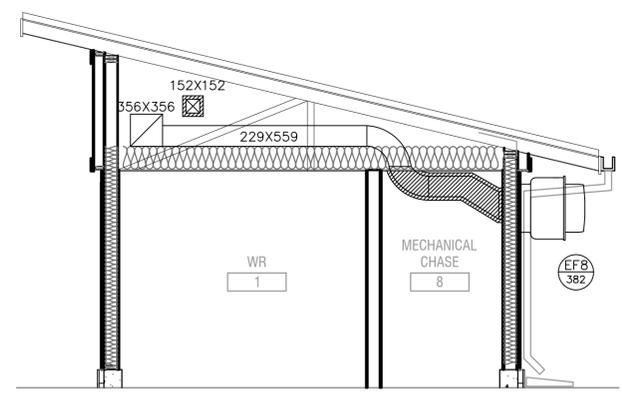
5 SOUTH WALL
SCALE: 1:40

FA1 EXHAUST INSTALL PER MANUFACTURERS' REQ'TS

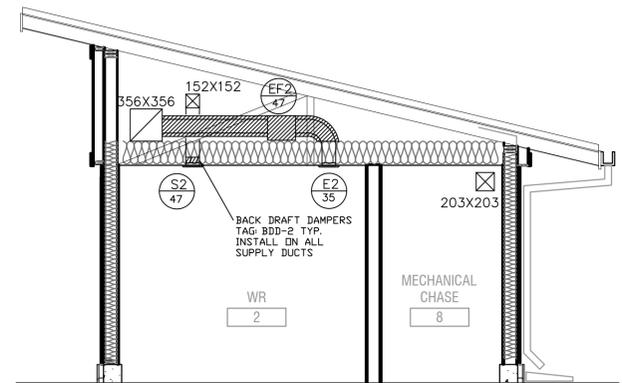
FA2 EXHAUST INSTALL PER MANUFACTURERS' REQ'TS

NOTES:

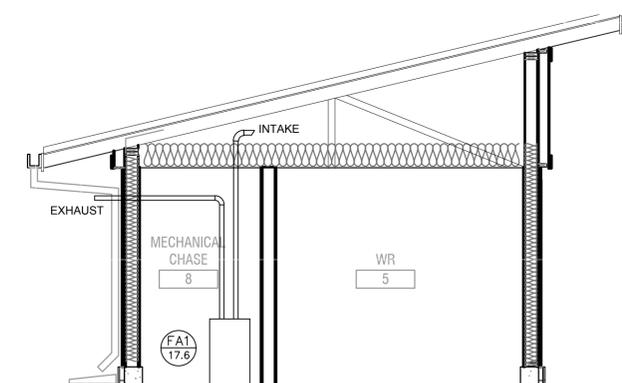
- INTERLOCK FANS MAU1, FA1, AND EF1 TO EF8
- APPLY MICLITE EQFSK 38MM INSULATION TO DUCTS WHERE SHADED



2 EXHAUST SHAFT DETAIL
SCALE: 1:40



3 TYPICAL DUCTING ARRANGEMENT
SCALE: 1:40



4 TYPICAL FURNACE AIR INTAKE/ EXHAUST
SCALE: 1:40

FAN SCHEDULE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	E/A (LPS)	EXTERNAL STATIC (Pa)	SERVING
EF1 TO EF7	BROAN	L100L	1.1	120/1/60	47	49	WASHROOMS/STORAGE
EF8	GREENHECK	CW099A	5	230/1/60	382	90	WASHROOMS

MAKE UP AIR UNIT SCHEDULE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	GAS TYPE	HEAT OUTPUT (kW)	SERVING
MAU1	VENTILATION DIRECT	V76	7.6	115	NAT.	17.9	CHASE C/W MOTORIZED INTAKE DAMPER

FORCED AIR FURNACE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	GAS TYPE	HEAT OUTPUT (kW)	SERVING
FA1	TRANE	S9V2B060V3PSBA ^o	5.7	12	NAT.	10.8	WASHROOMS/ STORAGE
FA2	TRANE	S9V2B060V3PSBA ^o	5.7	12	NAT.	10.8	CHASE

DIFFUSER/GRILLE SCHEDULE				
TAG	MANUFACTURER	MODEL	SIZE (mm)	DESCRIPTION
E1 TO E7	PRICE	LCMD	152X152	EXHAUST GRILLS C/W FACE ADJUSTABLE DAMPER
L1	NAILOR	1706D	1070X460	MAU INTAKE LOUVER C/W BIRD SCREEN
L2	NAILOR	1706D	910X610	SHAFT INTAKE LOUVER C/W BIRD SCREEN
L3	NAILOR	1706D	300X300	STORAGE DISCHARGE LOUVER C/W BIRD SCREEN
S1 TO S7	PRICE	LCMD	152X152	SUPPLY DIFFUSERS C/W FACE ADJUSTABLE DAMPER
BDD1 TO BDD7	GREENHECK	WD-100	152X152	WASHROOM SUPPLY BACK DRAFT DAMPER
BD1 TO BD5	PRICE	VCS3	152X152	BALANCING DAMPERS

Rev.	Date	Description	Drawn	Designed	Approved
3	2017.05.09	ISSUED FOR TENDER	MS	RB	SC
2	2017.04.27	ISSUED FOR TENDER	MS	RB	SC
A	2017.03.31	ISSUED FOR 90% REVIEW	MS	RB	SC

A	detail number	A
B	numero de detail	B C
C	source drawing no.	
	de dessin no.	
	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

McElhanney
McElhanney Consulting Services Ltd.

EPIX
Engineering

207-215 MCLEOD AVE
SPRUCE GROVE, AB T7X 0G2
PH 780.249.6705

Project Title
Titre du projet

**ELK ISLAND VISITORS CENTRE
REHABILITATION**

FORT SASKATCHEWAN
ELK ISLAND NATIONAL PARK, AB

Drawing Title
Titre du dessin

WASHROOMS HVAC LAYOUT

Surveyed by / Arpenté par

Drawn by / Dessiné par
M.SHALABY

Date
2017.05.09

Designed by / Conçu par
R.BACHYNSKI

Reviewed by / Révisé par
S.CORKE

Scale / Echelle
AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

Client Acceptance / Acceptation du client

Approved by / Approuvé par

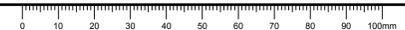
Project No. / No. du projet
2131-00299

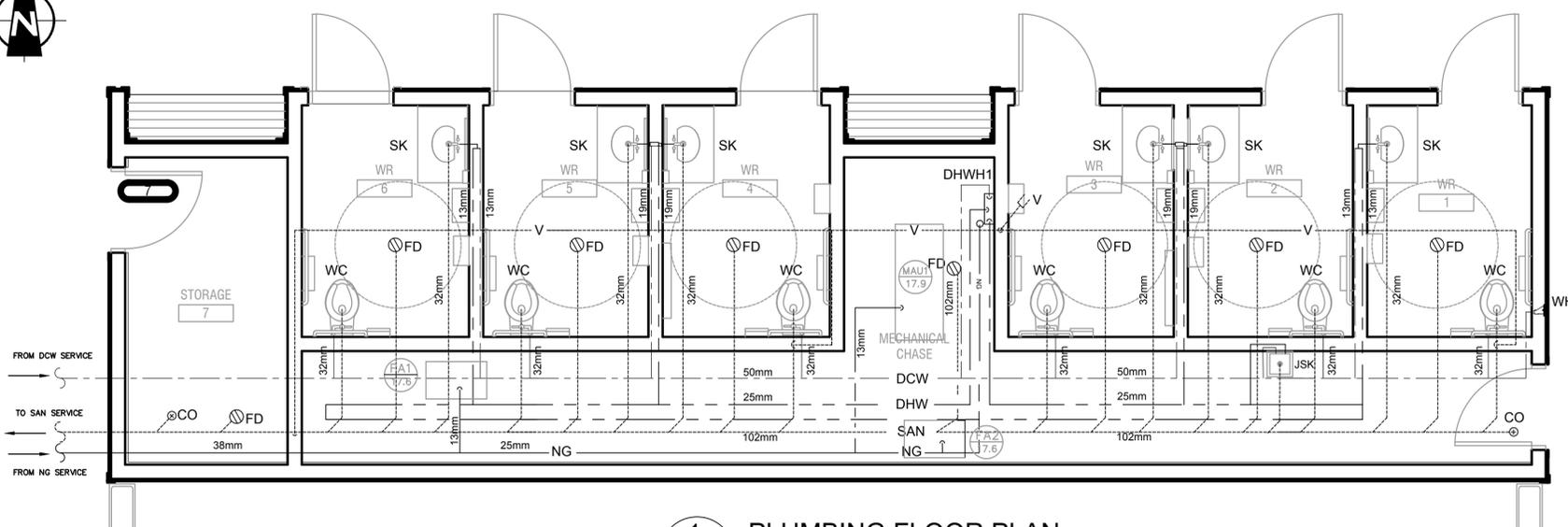
Asset No. / No. du bien

Sheet No. / No. de la feuille
M1

Drawing Reference No. / No. de référence du dessin

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1 PLUMBING FLOOR PLAN
M2 SCALE: 1:40

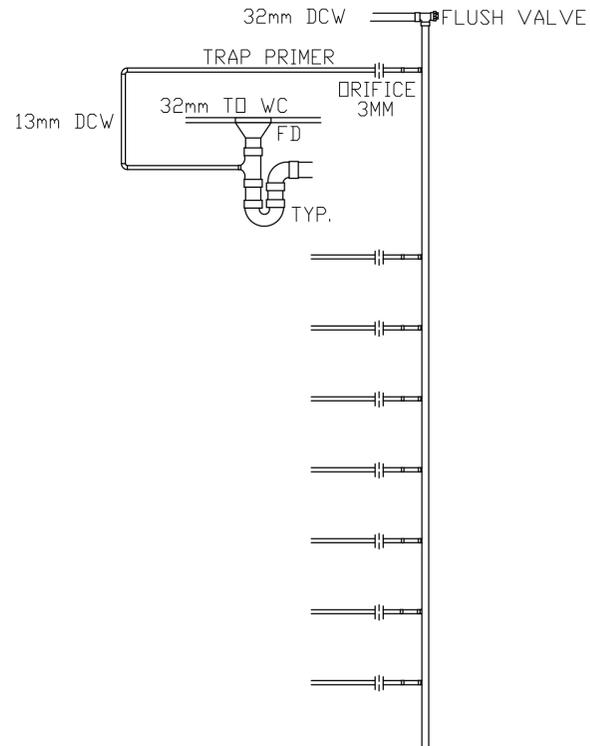
FIXTURE SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	QTY
SK	KOHLER	K-1997-4	WALL MOUNTED BATHROOM SINK/ ORDER IN WHITE WITH SHROUD MODEL# K-1998	6
WC	KOHLER	K-4323	WATER CLOSET BOWL/ ORDER IN WHITE	6
JSK	STERN-WILLIAMS	SB-900	JANITOR'S SINK 610X610X305 ORDER FITTINGS T-10-VB, T-35 & T-40	1
WH	WATTS	HY-725-8	NON-FREEZE KEY OPERATED WALL HYDRANT	1
CO	WATTS	CO-204P-S-3-6	CLEANOUTS	2
FD	WATTS	FD-104P-C-A5-1-6	FLOOR DRAIN	8

- NOTES:**
- UPGRADED NATURAL GAS METER TO BE SPECIFIED AS PART OF EXISTING BUILDING UPGRADE SCOPE
 - ALL DOMESTIC WATER PIPING TO BE PEX-A

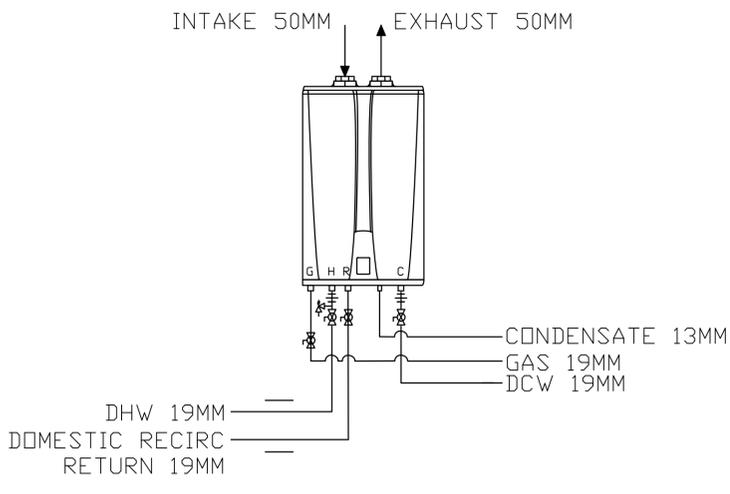
PLUMBING FIXTURE PIPE SIZE CHART					
FIXTURE	DCW	DHW	DRAIN	VENT	NG
SK - Sink	13mm	13mm	32mm	32mm	---
WC - Barrier Free Toilet	32mm	---	102mm	50mm	---
FD - Floor Drain	13mm	---	76mm	---	---
CO - Clean Out	---	---	76mm	---	---
JSK - Janitor's sink	13mm	13mm	32mm	32mm	---
FA-1 FA-2	---	---	---	---	13mm
MAU1	---	---	---	---	13mm
DHWH1	---	---	---	---	19mm

MISCELLANEOUS SCHEDULE				
MANUFACTURER	MODEL	DESCRIPTION	QTY	
LAWLER	TMM-1070	UNDER THE COUNTER MIXING VALVE	6	
CENTOCO	1500STSCSS	PLASTIC ELONGATED TOILET SEAT	6	
SLOAN	952-1.28	CONCEALED WATER CLOSET FLUSHOMETER WITH ACTUATOR MODEL# HY33A	6	
WATTS	CA-411-WC	FLOOR MOUNTED CONCEALED ARM LAVATORY CARRIER	6	
DELTA	87T111	LAVATORY METERING FAUCET	6	

DOMESTIC HOT WATER HEATER					
MARK	NG INPUT (MJ/Hr)	WATER PIPE	ELECTRICAL DATA		STANDARD OF ACCEPTANCE
			VOLT	WATTS	
DHWH1	21-211	19mm	120/1/60	350	NAVIENT TANKLESS NPE-240A WITH PUMP



3 TRAP SEAL PRIMER DETAIL
M2 SCALE: NTS



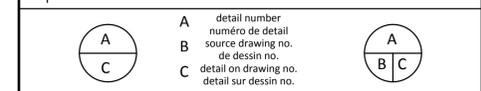
2 DOMESTIC WATER HEATER PIPING
M2 SCALE: NTS

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
3	2017.05.09	ISSUED FOR TENDER	MS	RB	SC
2	2017.04.27	ISSUED FOR TENDER	MS	RB	SC
A	2017.03.31	ISSUED FOR 90% REVIEW	MS	RB	SC



Consultant's Stamp / Sciau de l'expert-conseil

Eng. Stamp / Sciau 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

McElhanney
McElhanney Consulting Services Ltd.

EPIX
Engineering

207-215 MCLEOD AVE
SPRUCE GROVE, AB T7X 0G2
PH 780.249.6705

Project Title / Titre du projet

ELK ISLAND VISITORS CENTRE REHABILITATION

FORT SASKATCHEWAN
ELK ISLAND NATIONAL PARK, AB

Drawing Title / Titre du dessin

WASHROOMS PLUMBING

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	M.SHALABY	2017.05.09
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
R.BACHYNSKI	S.CORKE	AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

MARK MCINTYRE

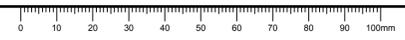
Client Acceptance / Acceptation du client

Approved by / Approuvé par

Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299		M2

Drawing Reference No. / No. de référence du dessin

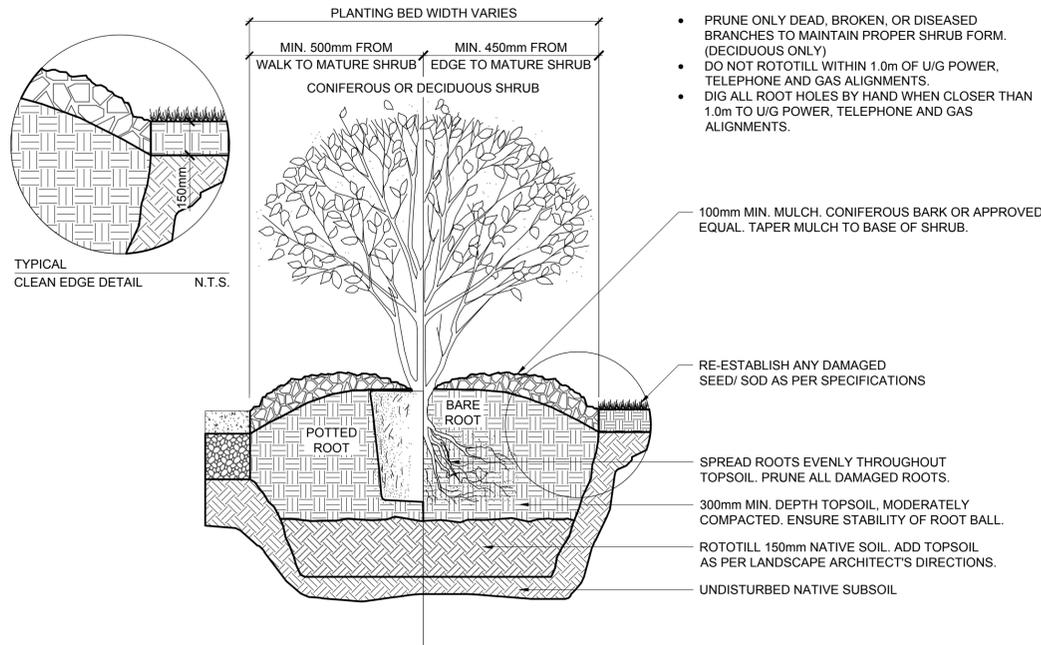
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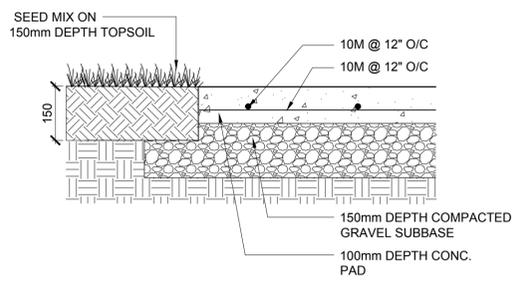
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- NOTES:
- PRUNE ONLY DEAD, BROKEN, OR DISEASED BRANCHES TO MAINTAIN PROPER SHRUB FORM. (DECIDUOUS ONLY)
 - DO NOT ROTOTILL WITHIN 1.0m OF U/G POWER, TELEPHONE AND GAS ALIGNMENTS.
 - DIG ALL ROOT HOLES BY HAND WHEN CLOSER THAN 1.0m TO U/G POWER, TELEPHONE AND GAS ALIGNMENTS.

- 100mm MIN. MULCH. CONIFEROUS BARK OR APPROVED EQUAL. TAPER MULCH TO BASE OF SHRUB.
- RE-ESTABLISH ANY DAMAGED SEED/ SOD AS PER SPECIFICATIONS
- SPREAD ROOTS EVENLY THROUGHOUT TOPSOIL. PRUNE ALL DAMAGED ROOTS.
- 300mm MIN. DEPTH TOPSOIL, MODERATELY COMPACTED. ENSURE STABILITY OF ROOT BALL.
- ROTOTILL 150mm NATIVE SOIL. ADD TOPSOIL AS PER LANDSCAPE ARCHITECT'S DIRECTIONS.
- UNDISTURBED NATIVE SUBSOIL



1 CONIFEROUS/DECIDUOUS SHRUB/PERENNIAL PLANTING
L1.00 SCALE: N.T.S

2 CONCRETE PAD
L1.00 SCALE: N.T.S

Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
0	2017.05.12	ISSUED FOR TENDER	CK	PS	RB

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

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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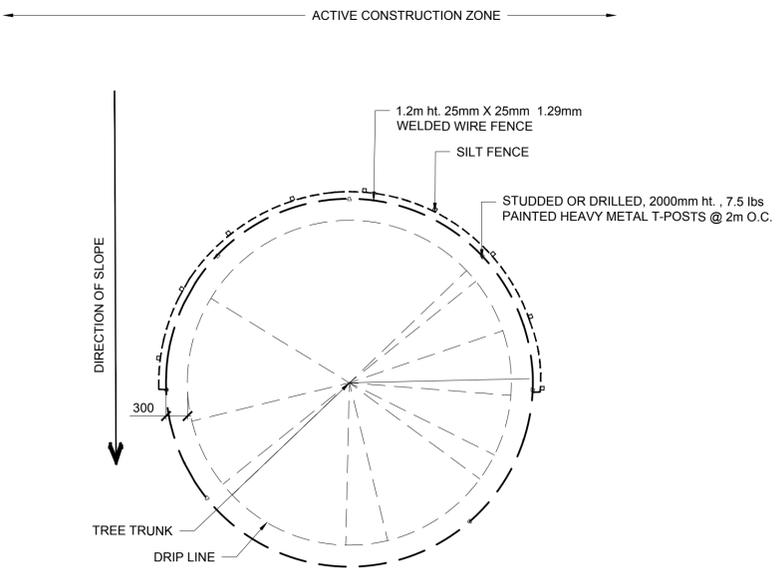
Consultant's Name Nom de l'expert-conseil	McElhanney McElhanney Consulting Services Ltd.
--	--

Project Title Titre du projet	VISITORS CENTRE REHABILITATION FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB
----------------------------------	--

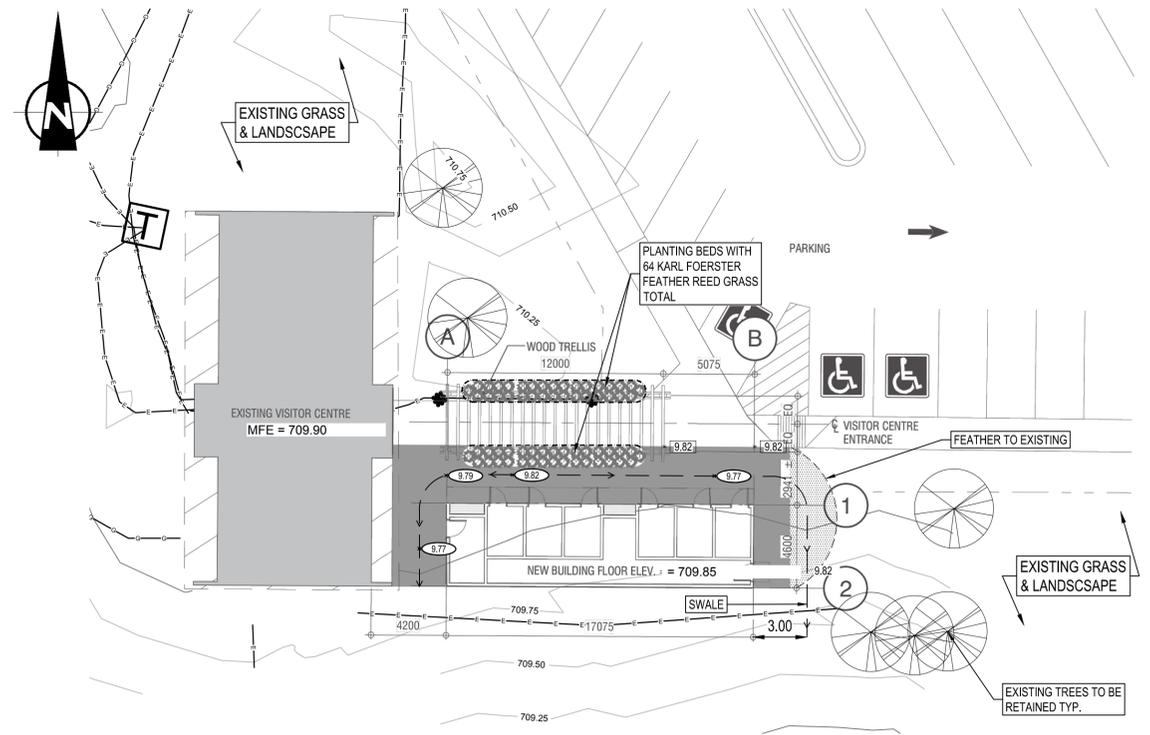
Drawing Title Titre du dessin	SITE GRADING & LANDSCAPE PLAN
----------------------------------	--

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
#	###	2017.05.11
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
#	####	AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
MARK MCINTYRE		
Client Acceptance / Acceptation du client	Approved by / Approuvé par	
Parks Canada Responsible Officer / Agente 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	####	L1.00
Drawing Reference No. / No. de référence du dessin		
###		



3 TREE PROTECTION CW SILT FENCE
L1.00 SCALE: 1:50



4 PARTIAL SITE PLAN
L1.00 SCALE: 1:200

NOT FOR CONSTRUCTION

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