PRIME CONSULTANT:

| x | architecture inc.

CONSULTANT TEAM

ARCHITECT: 1x1 ARCHITECTURE INC
120 FORT STREET, SUITE 103
WINNIPEG, MANITOBA, R3C 1C7
TEL: (204) 318-2010

CIVIL ENGINEER: CATERALL & WRIGHT CONSULTING ENGINEERS
1221 - 8TH STREET EAST
SASKATOON, SASKATCHEWAN, R7H 0S5
TEL: (306) 343-7280

STRUCTURAL ENGINEER CROSIER KILGOUR & PARTNERS
300 - 275 CARLTON STREET
WINNIPEG, MANITOBA, R3C 5R6
TEL: (204) 943-7501

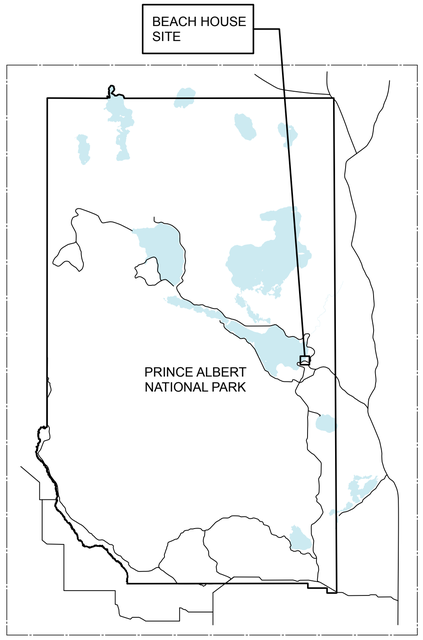
MECHANICAL ENGINEER: DANIELS WINGERAK ENGINEERING LTD.
3022 LOUISE STREET
SASKATOON, SASKATCHEWAN, S7J 3L8
TEL: (306) 477-0678

ELECTRICAL ENGINEER: RITENBURG & ASSOCIATES LTD
#617-601 1ST AVENUE N.
SASKATOON, SASKATCHEWAN, S7K 1X7
TEL: (306) 244-1303

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE BEACH HOUSE BUILDING 1

Waskesiu, Saskatchewan

ISSUED FOR TENDER
MARCH 27, 2018



ABBREVATIONS

A/FL	ABOVE FLOOR	LOC	LOCATION
ALUM	ALUMINUM	MAS	MASONRY
ANOD	ANODIZED	MAX	MAXIMUM
BLDG	BUILDING	MECH	MECHANICAL
BM	BEAM	MIN	MINIMUM
BOT, BTM	BOTTOM	MISC	MISCELLANEOUS
B.S	BOTH SIDES	M.O.	MASONRY OPENING
BTWN	BETWEEN	MR	MIRROR
C.I.P	CAST IN PLACE	MTL	METAL
CL	CENTER LINE	N.I.C	NOT IN CONTRACT
C.P	CENTER POINT	O.C	ON CENTER
C.L.F	CHAIN LINK FENCE	O.D	OUTSIDE DIAMETER
COL	COLUMN	O/F	OUTSIDE FACE
C/W	COMPLETE WITH	O.H	OVERHEAD
CONC	CONCRETE	OPNG	OPENING
C.B	CONCRETE BLOCK	O.W.S.J	OPEN WEB STEEL JOIST
CJ	CONTROL JOINT	PANP	PRINCE ALBERT NATIONAL PARK
D	DEEP	PL	PLATE
DTL	DETAIL	PLAM	PLASTIC LAMINATE
DN	DOWN	PLYW	PLYWOOD
DWG, DRWG	DRAWING	PNL	PANEL
EA	EACH	PREFIN	PREFINISHED
ELEV	ELEVATION	PS	PRESSED STEEL
ELEC	ELECTRICAL	PTD, PT	PAINTED, PAINT
EPOX	EPOXY	R/CONC	REINFORCED CONCRETE
EQ	EQUAL	R.D.	ROOF DRAIN
EQUIP	EQUIPMENT	REINF	REINFORCED
EXP	EXPOSED	RM	ROOM
EXT	EXTERIOR	R.O.	ROUGH OPENING
FD	FLOOR DRAIN	SHWR	SHOWER
F.H.C	FIRE HOSE CABINET	SIM	SIMILAR
FIN	FINISH	SLP	SLOPE
FLR, FL	FLOOR	SPEC'D	SPECIFIED
GA	GAUGE	S.S	STAINLESS STEEL
GALV	GALVANIZED	ST, STL	STEEL
GLUM	GALVALUME	STO, STOR	STORAGE
G.C	GENERAL CONTRACTOR	STRUC	STRUCTURAL
G.L	GRID LINE	SURF MTD	SURFACE MOUNTED
GWB	GYPSUM WALL BOARD	SUSP	SUSPENDED
H.W	HAZARDOUS WASTE	TH	THICK / THICKNESS
H	HIGH	T.O.	TOP OF
H.D	HEAVY DUTY	T.O.C.	TOP OF CONCRETE
HT	HEIGHT	TYP	TYPICAL
H.M	HOLLOW METAL	U/F	UNDER FLOOR
HOR, HORIZ	HORIZONTAL	U/G	UNDER GROUND
HR	HOUR	U/S	UNDER SIDE
HSS	HOLLOW STEEL SECTION	V.B	VAPOUR BARRIER
HYDR	HYDRAULIC	VEH	VEHICLE
I.D	INSIDE DIAMETER	VERT	VERTICAL
I/F	INSIDE FACE	VEST	VESTIBULE
INT	INTERIOR	W	WIDE
INSUL	INSULATION	W/	WITH
L.W	LIGHT WEIGHT	W.MEM	WATERPROOFED MEMBRANE
L	LONG	W.T.	WEEPING TILE

SYMBOLS

N	NORTH ARROW
# / A#.#	BUILDING SECTION
# / A#.# / SIM	SECTION DETAIL
# / A#.#	WALL SECTION
# / A#.#	EXTERIOR ELEVATION
1/A	STRUCTURAL GRID
# TITLE / A#.# / Scale = 1:	DRAWING TITLE & REFERENCE
A / D / D# / B / C	INTERIOR ELEVATION
LOCATION 100 000	BENCHMARK ELEVATION
W#	EXTERIOR WALL TYPE
W#	INTERIOR WALL TYPES
W# / R	SEPARATION WITH F.R.R.
W# / FH	FULL HEIGHT SEPARATION
G#	GLAZING TYPE
0000	CEILING HEIGHT A.F.F.
D000	DOOR NUMBER
HR	FIRE RATING
RM# / ROOM NAME	ROOM NAME & NUMBER
#	KEY NOTE
#	REVISION NUMBER
100 000 LOCATION	ELEVATION POINTS IN PLAN

DRAWING LIST

A0.0 COVER SHEET/KEY PLAN

CIVIL
C1.0 BUILDING 1 REMOVALS SITE PLAN
C2.0 BUILDING 1 GRADING SITE PLAN
C3.0 SERVICING PLAN BUILDING 1
C4.0 DETAILS

ARCHITECTURAL
A1.1 BUILDING 1 DEMOLITION PLAN
A2.1 BUILDING 1 SITE PLAN
A2.2 BUILDING 1 FLOOR PLAN
A2.3 BUILDING 1 FASTENER PLAN
A3.1 BUILDING 1 REFLECTED CEILING PLAN
A4.1 BUILDING 1 ELEVATIONS
A4.2 BUILDING 1 SECTIONS
A4.3 BUILDING 1 SECTIONS
A5.1 BUILDING 1 WALL SECTIONS
A5.2 BUILDING 1 WALL SECTIONS
A5.3 BUILDING 1 WALL SECTIONS
A6.1 BUILDING 1 PLAN DETAILS
A7.1 BUILDING 1 INTERIOR ELEVATIONS
A7.2 BUILDING 1 INTERIOR ELEVATIONS
A7.3 BUILDING 1 INTERIOR ELEVATIONS

STRUCTURAL
S1.1 GENERAL NOTES & SCHEDULES
S2.1 BUILDING 1 FOUNDATION/MAIN FLOOR FRAMING PLANS
S2.2 BUILDING 1 ROOF FRAMING PLAN & DETAILS
S4.1 SECTIONS

MECHANICAL
M1.1 BUILDING 1 PLUMBING PLANS
M2.1 BUILDING 1 VENTILATION PLANS
M3.1 MECHANICAL SCHEMATICS & DETAILS
M3.2 MECHANICAL DETAILS
M4.1 MECHANICAL SCHEDULES

ELECTRICAL
E1.1 ELECTRICAL SITE PLAN
E2.1 BUILDING 1 LIGHTING & POWER PLANS

GENERAL DRAWING NOTES

THE DRAWINGS SHALL NOT BE SCALED. FOLLOW GIVEN DIMENSIONS ONLY.

THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL DIMENSIONS, ELEVATIONS, DATUMS, AND INFORMATION SHOWN ARE CORRECT. VERIFY ALL DIMENSIONS ON SITE. DIMENSIONS ARE AS FOLLOW UNLESS OTHERWISE NOTED:
- FACE OF MASONRY WALLS
- EXTERIOR FACE OF ALL INTERIOR WALLS

PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.

VARIATIONS AND MODIFICATIONS TO WORK SHOWN WILL NOT BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENTAL REPRESENTATIVE.

ALL DIMENSIONS ARE METRIC UNLESS OTHERWISE NOTED.

NO REPRODUCTION OF THE DRAWINGS MAY BE MADE WITHOUT THE WRITTEN CONSENT OF PARKS CANADA AGENCY AND ALL REPRODUCTION MUST BEAR THE NAME OF THE ARCHITECT.

FOR ROOM FINISH SCHEDULE SEE SPECIFICATIONS.

FOR DOOR AND FRAME SCHEDULE SEE SPECIFICATIONS.

GENERAL CONTRACTOR SHALL NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY MECHANICAL AND ELECTRICAL APPARATUS APPEARANCE WHICH MAY VARY FROM THAT INDICATED IN THE CONTRACT DOCUMENTS.

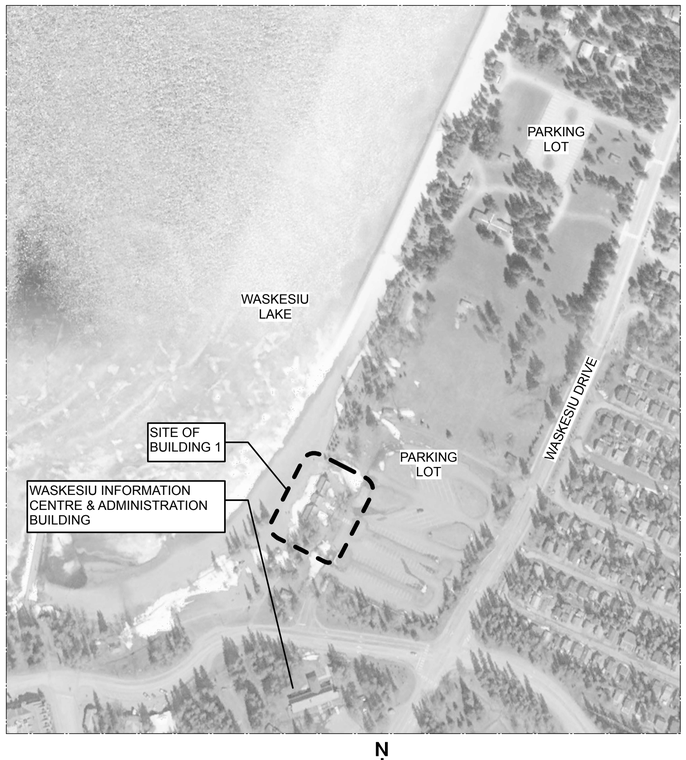
BUILDING CODE ANALYSIS

NATIONAL BUILDING CODE OF CANADA 2015

Building Article: 3.2.2.28 Group A, Division 2 One Storey
Combustible or Non-combustible
Facing 1 street 400m2

BUILDING 1
3.2.3.1 Limiting Distance
North Wall
Limiting Distance: **N/A**
Exposing Building Face: **57.9 sq.m** less than 3:1
Unprotected Openings (allowable) **100** (%) > Unprotected Openings (actual) **15** (%)
FRR (hr) **N/A**
Construction: Combustible or Non-Combustible
Cladding: Combustible or Non-Combustible
South Wall
Limiting Distance: **N/A**
Exposing Building Face: **37.3 sq.m** less than 3:1
Unprotected Openings (allowable) **100** (%) > Unprotected Openings (actual) **6.5** (%)
FRR (hr) **N/A**
Construction: Combustible or Non-Combustible
Cladding: Combustible or Non-Combustible
East Wall
Limiting Distance: **N/A**
Exposing Building Face: **133.9 sq.m** 3:1 to 10:1
Unprotected Openings (allowable) **100** (%) > Unprotected Openings (actual) **2.8** (%)
FRR (hr) **N/A**
Construction: Combustible or Non-Combustible
Cladding: Combustible or Non-Combustible
West Wall
Limiting Distance: **N/A**
Exposing Building Face: **133.9 sq.m** 3:1 to 10:1
Unprotected Openings (allowable) **100** (%) > Unprotected Openings (actual) **3.7** (%)
FRR (hr) **N/A**
Construction: Combustible or Non-Combustible
Cladding: Combustible or Non-Combustible

3.2.3.7 Construction of Exposing Building Face
>50 to 100 - 45 min fire rated wall, combustible construction permitted, cladding can be combustible
3.2.4.1 Determination of Requirement for a Fire Alarm System
-fire alarm not required
3.2.5.6 Access Route Design
-6m minimum designed for expected loads and surfaced with concrete, asphalt or other material
3.2.5.16 Portable Fire Extinguishers
-as per NFPA
3.3.1.9 Corridors
-1100mm minimum
3.3.1.11 Door Swing
-doors shall swing on a vertical axis
3.3.1.21 Janitors' Rooms
-1 hour fire separation can be reduced to 45 minutes based on building article in 3.2.2
3.4.2.1 Minimum Number of Exits
-permitted to have only 1 exit.
-one exit permitted if total occupant load is not more than 60 and maximum area of room or suite for 1 door is 150m2 and maximum travel distance for 1 door is 15m
3.4.3.2 Exit Width
-800mm for doorways
3.4.3.4 Headroom Clearance
-2050mm
-doorways 2030mm
3.4.5 Exit Signs
-exit signs not required
3.8.2.2 Entrances
-barrier free entrance required
3.8.2.3 Barrier-Free Path of Travel
-barrier free path of travel required
3.8.2.8 Plumbing Facilities
-barrier free washroom required
3.8.2.10 Signs and Indicators
-accessibility sign required for barrier free facilities
3.8.3.5 Ramps
-all sloped barrier free paths of travel designed with a slope less than 1 in 20
3.8.3.6 Doorways and Doors
-power door operators not required, but will be provided



N
BEACH HOUSE SITE PLAN
N.T.S.

No.	Date	Description	Drawn by Dessine par	Approved Approuve'
0	19 03 27	ISSUED FOR TENDER	JP	TC

Revision / Revision

A Detail number / A Numeró de detail
B Sheet number / B Numeró de la feuille

Linear dimensions in millimetres / Dimensions lineairés en millimetreś

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

Eng. Stamp / Sceau de l'ingenieur

Parks Canada / Parcs Canada
Strategic Asset Management, Western and Northern Region / Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

Architect
| x | architecture inc.
120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

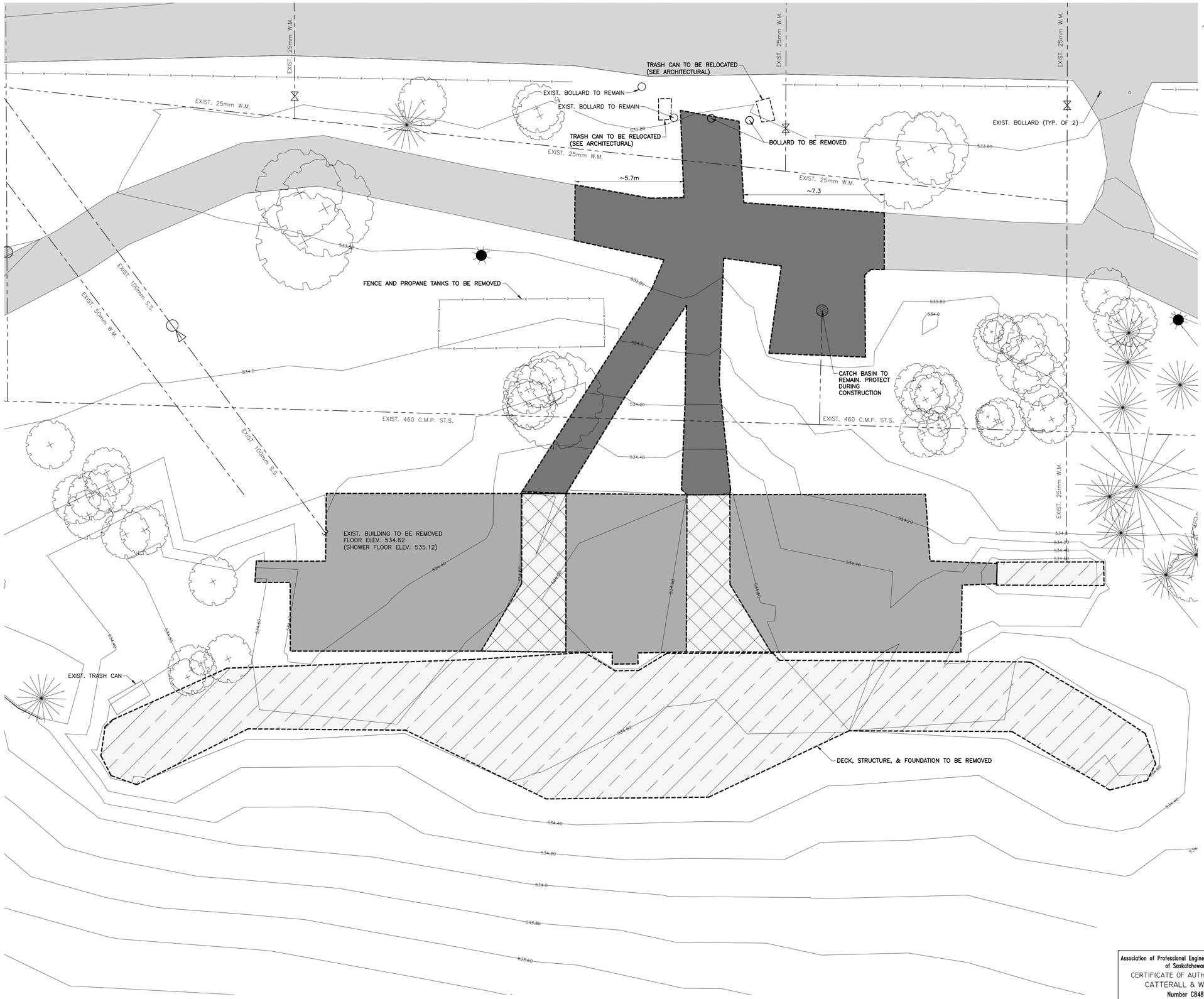
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
COVER SHEET
KEY PLAN

Surveyed by/Arpente par ´	Drawn by/Dessine par´	Date
	JP	19 03 27
Designed by/Concept par	Reviewed by/Revise par	Scale/Echelle
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuve par ´ — Date

Project No./N° du projet: 1644
Asset No./N° du bien
Drawing Set No./N° de serie du dessin
Sheet No./ N° de la feuille: A0.0



NOTES:

- NOT ALL UTILITIES MAY BE SHOWN. ALL UTILITIES SHOWN ARE APPROXIMATE.
- REFER TO ARCHITECTURE BUILDING 1 DEMOLITION PLAN FOR BUILDING REMOVAL DETAILS

LEGEND:

- EXIST. CONIFEROUS TREE
- EXIST. DECIDUOUS TREE
- EXIST. FLOW DIRECTION
- EXIST. VALVE
- EXIST. MANHOLE
- CATCH BASIN / CATCH BASIN MANHOLE
- EXIST. PLUG
- EXIST. LIGHT STANDARD
- EXIST. POWER PEDESTAL
- EXIST. FENCE LINE
- EXIST. GROUND CONTOUR
- EXIST. BUILDING
- EXIST. ASPHALT
- ASPHALT REMOVAL AREA (133 sq.m.)
- CONCRETE & TILE REMOVAL AREA
- WOOD DECK REMOVAL AREA

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	RJB	PLS

Revision / Revision

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PROFESSIONAL ENGINEER
P. L. SHILLING
MEMBER 15425
19 03 27
YR. MN. DAY
SASKATCHEWAN

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
CATTERALL & WRIGHT
Number C848
Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
CIVIL	15425	PLS

Parks Canada — Parcs Canada

Strategic Asset Management, Western and Northern Region

Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

Architect

| x | architecture inc.
120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1 REMOVALS SITE PLAN

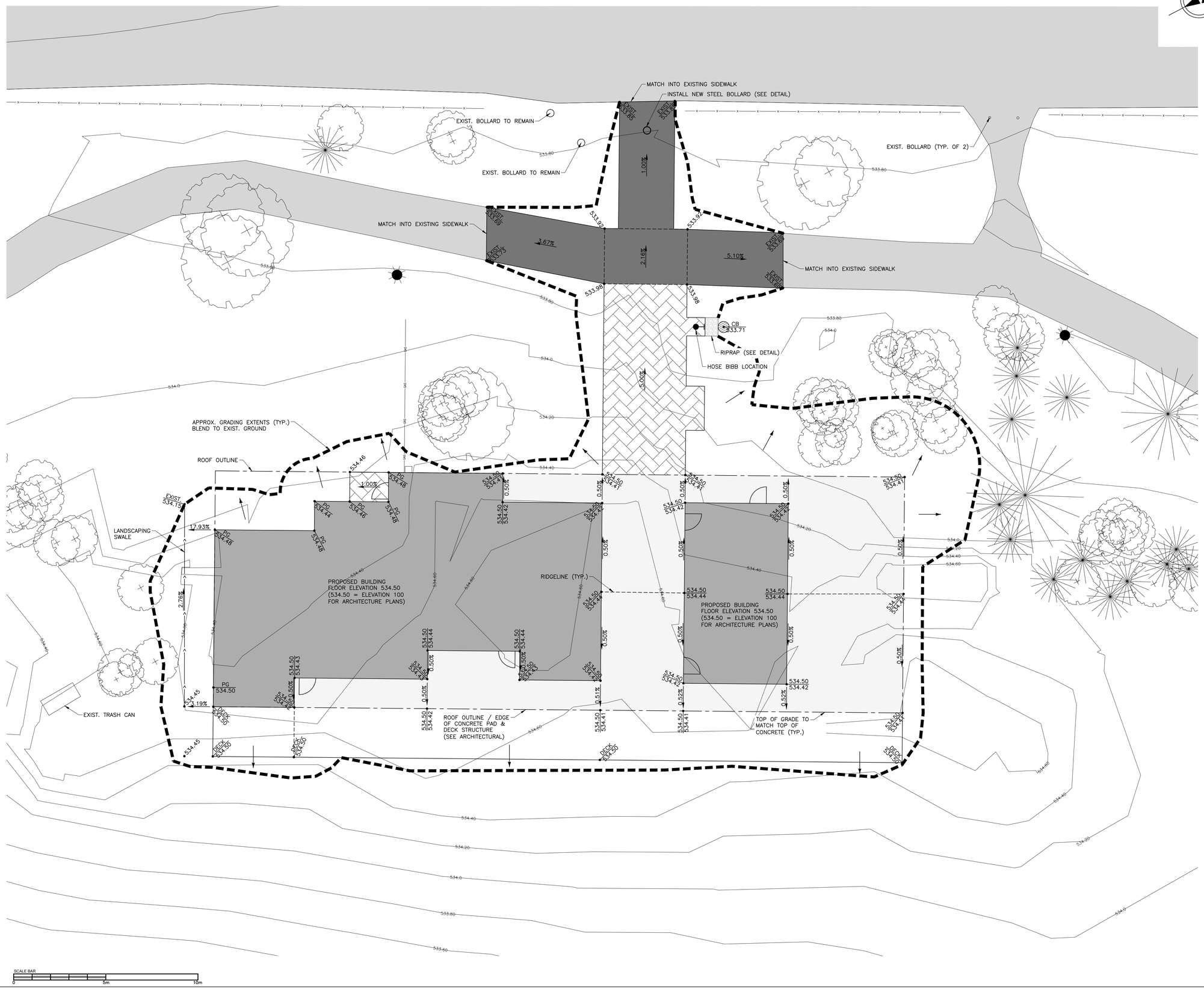
Surveyed by/Arpente par	Drawn by/Dessine par	Date
	RJB	19/03/27
Designed by/Concept par	Reviewed by/Revise par	Scale/Echelle
PLS		1:100

Client Acceptance/Acceptation du client — Date

Approved by/Approuve par — Date

Project No./N° du projet	Asset No./N° du bien	Sheet No./ N° de la feuille
1644		C1.0

Drawing Set No./N° de serie du dessin



NOTES:

- NOT ALL UTILITIES MAY BE SHOWN. ALL UTILITIES SHOWN ARE APPROXIMATE.
- DECKING, DECKING FOUNDATION, & DECKING OVER CONCRETE SEE ARCHITECTURAL FOR DETAILS
- REFER TO ARCHITECT BUILDING 1 FOR ADDITIONAL SITE DESIGN INFORMATION.

LEGEND:

- EXIST. DECIDUOUS TREE
- EXIST. CONIFEROUS TREE
- EXIST. CATCH BASIN / CATCH BASIN MANHOLE
- EXIST. LIGHT STANDARD
- X.XX% — DRAINAGE DIRECTION & GRADE
- CB / XXX.XX — EXIST. CATCH BASIN RIM ELEVATION
- EXIST. / XXX.XX — EXIST. TOP OF ASPHALT ELEVATION
- PG / XXX.XX — PERIMETER GRADE ELEVATION
- XXX.XX — DESIGN SPOT ELEVATION
- DECK / XXX.XX — TOP OF DECK ELEVATION
- XXX.XX / XXX.XX — TOP OF DECK ELEVATION / TOP OF CONCRETE ELEVATION
- XXX.XX — EXIST. GROUND CONTOUR
- EXIST. FENCE LINE
- BUILDING FOOTPRINT
- ASPHALT
- EXIST. ASPHALT
- CONCRETE
- PAVERS

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	RJB	PLS

Revision / Revision

A / B — Detail number / Sheet number — A Numéro de detail / B Numéro de la feuille

Linear dimensions in millimetres — Dimensions lineairés en millimetreś

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

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CONSULTING ENGINEERS
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Eng. Stamp / Sceau de l'ingenieuř

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Parcs Canada

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

GRADING SITE PLAN
BUILDING 1

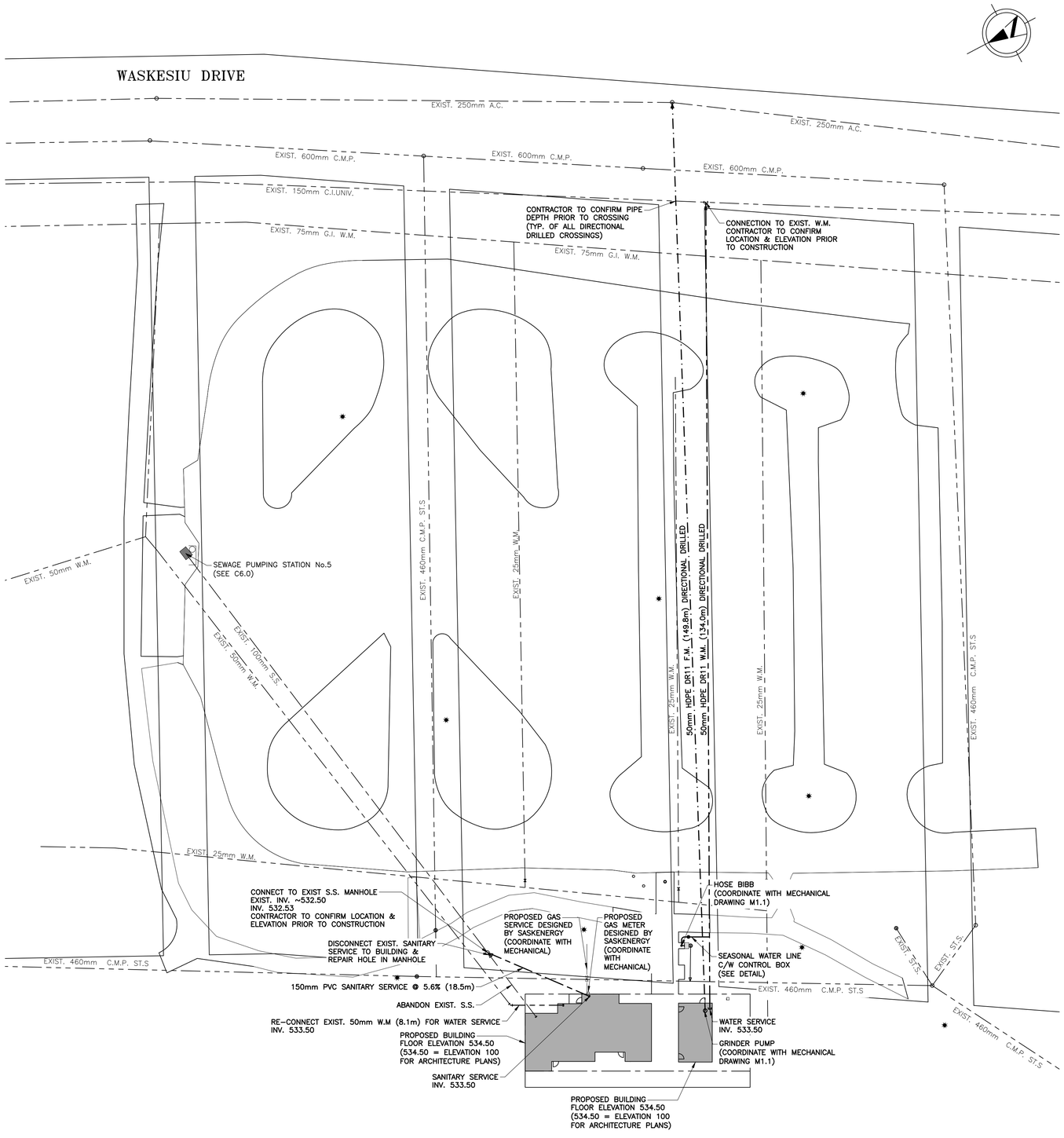
Surveyed by/Arpente par ´	Drawn by/Dessine par´	Date
	RJB	19/03/27
Designed by/Concept par	Reviewed by/Revise par´	Scale/Echelle
PLS		1:100

Client Acceptance/Acceptation du client — Date

Approved by/Approuve par ´ — Date

Project No./N° du projet	Asset No./N° du bien	Sheet No./ N° de la feuille
1644		C2.0

Drawing Set No./N° de selie du dessin

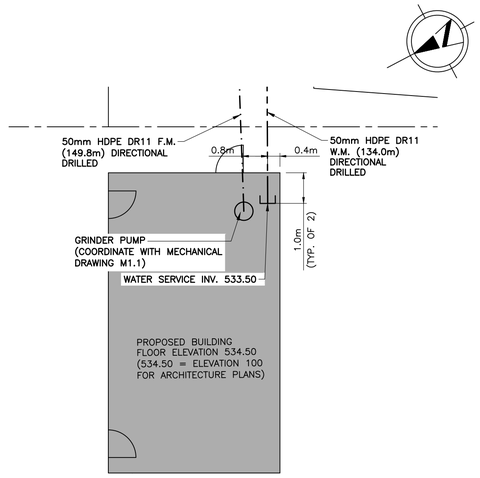


SERVICING SITE PLAN

SCALE: 1:400

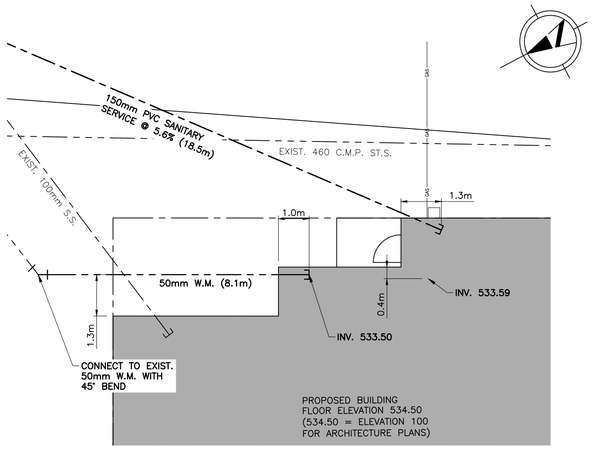
SCALE BAR

0 20m 40m



SERVICING WEST CONNECTION DETAIL

SCALE: 1:100



SERVICING EAST CONNECTION DETAIL

SCALE: 1:100

LEGEND:

- EXIST. LIGHT STANDARD
- EXIST. POWER PEDESTAL
- MANHOLE
- EXIST. CATCH BASIN / CATCH BASIN MANHOLE
- EXIST. VALVE
- VALVE
- CURB STOP
- TEE
- FLOW DIRECTION
- DESIGN BUILDING

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	RJB	PLS

Revision / Revision

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Consultant's Name / Nom de l'expert-conseil
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Eng. Stamp / Sceau de l'ingenieur
PROFESSIONAL ENGINEER — P. L. SHILLING — MEMBER 15425 — 19 03 27 — YR. MN. DAY — SASKATCHEWAN

Parks Canada — Strategic Asset Management, Western and Northern Region
Parcs Canada — Gestion Stratégique des Biens, Région de l'Ouest et du Nord
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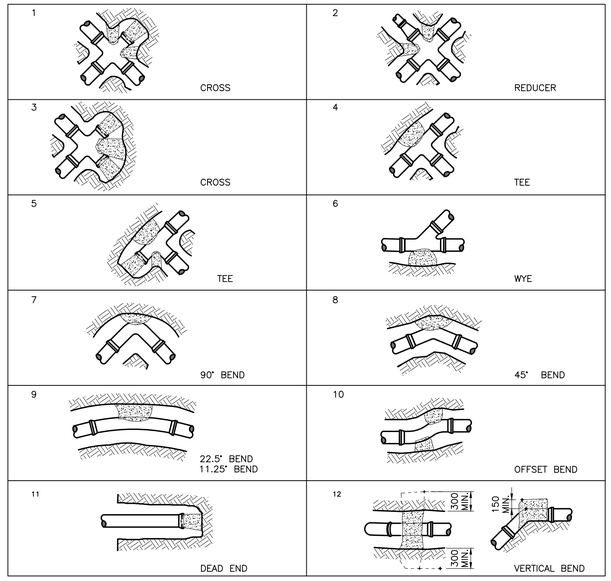
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
SERVICING PLAN
BUILDING 1

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	RJB	19/03/27
Designed by/Concept par: PLS	Reviewed by/Revisé par	Scale/Echelle: AS SHOWN

Client Acceptance/Acceptation du client — Date
Approved by/Approuvé par — Date

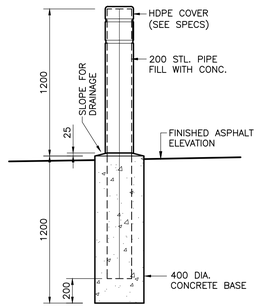
Project No./N° du projet: 1644
Asset No./N° du bien
Drawing Set No./N° de série du dessin
Sheet No./N° de la feuille: C3.0



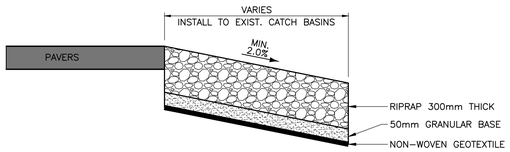
ALL CONCRETE TO BE TYPE HS OR HSb

BEARING AREA OF CONCRETE IN SQUARE METRES							
TYPE \ PIPE SIZE	100	150	200	250	300	350	400
1, 4, 11	0.20	0.40	0.65	1.00	1.45	1.95	2.60
3, 5, 7	0.30	0.50	0.90	1.45	2.05	2.70	3.55
2	0.10	0.15	0.25	0.35	0.59	0.70	0.95
6, 8, 12	0.15	0.30	0.50	0.60	1.15	1.40	1.90
9	0.10	0.14	0.30	0.45	0.60	0.85	1.15
10	0.30	0.60	1.00	1.20	2.20	3.00	3.90

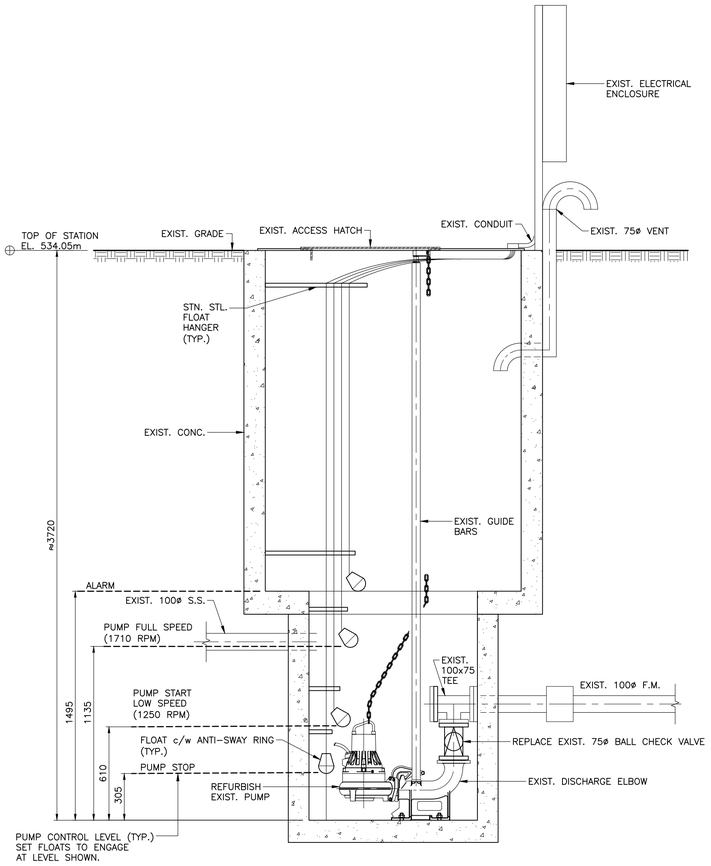
THRUST BACKING DETAIL
SCALE: NTS



BOLLARD DETAIL
SCALE: NTS

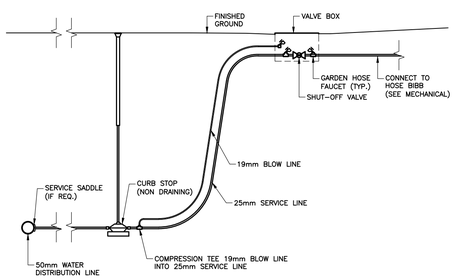


RIPRAP DETAIL
SCALE: NTS

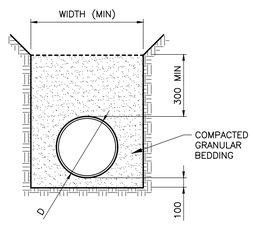


EXIST. PUMP: FLYGT NP 3085 MT 1

SEWAGE PUMPING STATION No. 5
SCALE: 1:20

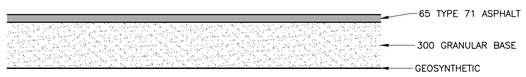


SEASONAL WATER DETAIL
SCALE: NTS



TRENCH WIDTH AT TOP OF PIPE		LEGEND
D	WIDTH	D = DIAMETER
≥ 900	D + 600	
< 900	D + 400 (MIN. 900)	

PIPE BEDDING DETAIL
SCALE: NTS



ASPHALT STRUCTURE DETAIL
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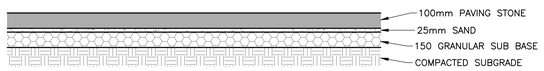

CONCRETE PAVER STRUCTURE DETAIL
SCALE: NTS

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Parks Canada — Parcs Canada
Strategic Asset Management, Western and Northern Region
Gestion Stratégique des Biens, Région de l'Ouest et du Nord
Canada

Architect
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120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
DETAILS

Surveyed by/Arpente par	Drawn by/Dessine par	Date
	RJB	19/03/27
Designed by/Concept par: PLS	Reviewed by/Revise par	Scale/Echelle: NTS

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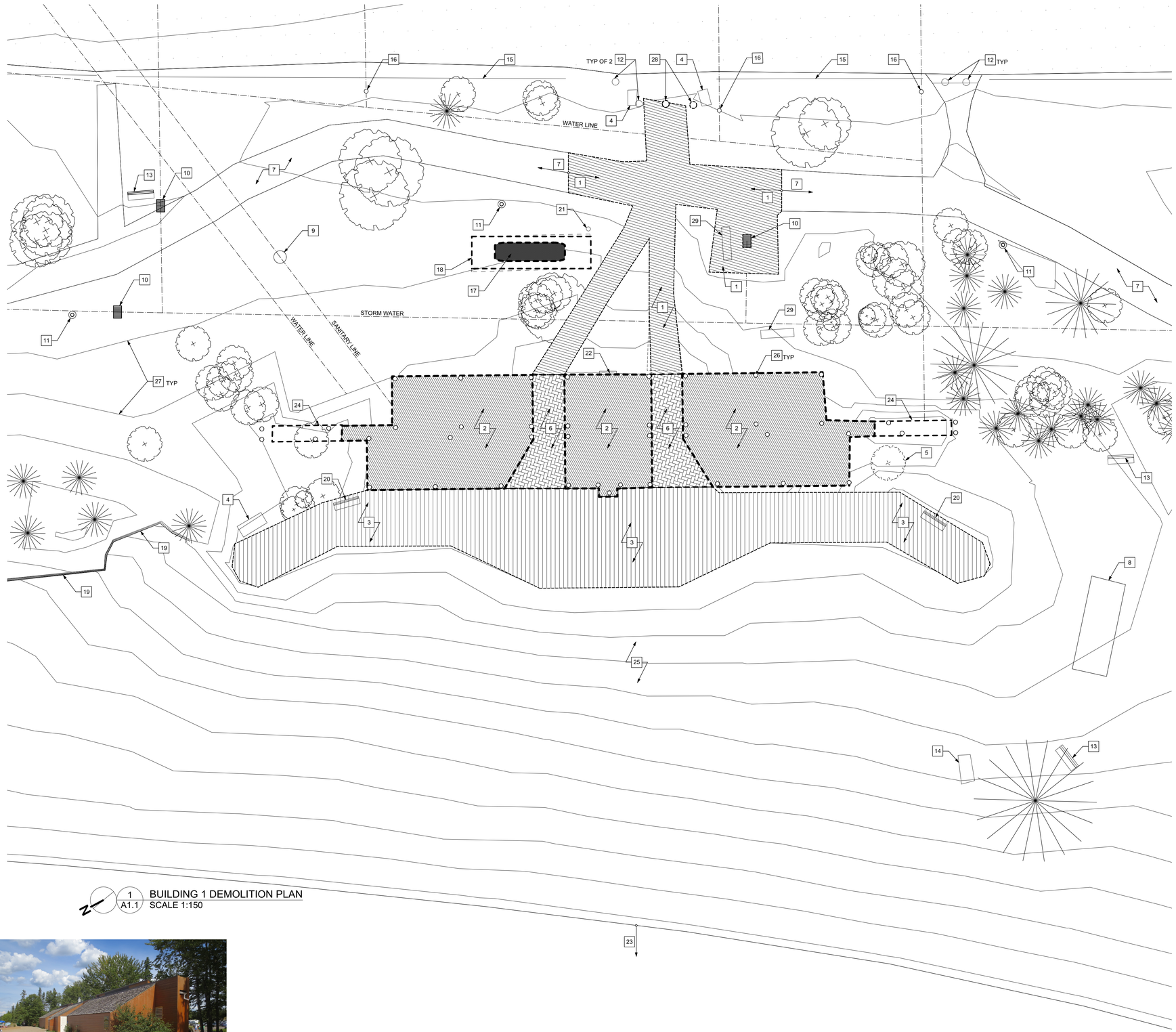
Sheet No./N° de la feuille: C4.0



1 A1.1 BUILDING 1 DEMOLITION PLAN
SCALE 1:150

2 A1.1 BUILDING 1 PHOTOGRAPH
N.T.S.

GENERAL NOTES:

1. EXISTING BUILDING CONTAINS ASBESTOS. REFER TO 'CAPITAL ASSET INVENTORY SYSTEM BUILDING RECORD' IN SPECIFICATION FOR ASBESTOS INVENTORY
2. REFER TO APPENDIX IN SPECIFICATION FOR EXISTING BUILDING DRAWINGS
3. REFER TO CIVIL, STRUCTURAL, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES

DEMOLITION PLAN KEYNOTES:

1. DEMOLISH ASPHALT PATH - REFER TO CIVIL FOR EXTENT
2. DEMOLISH EXISTING BUILDING IN IT'S ENTIRETY INCLUDING BUILDING STRUCTURE, ROOF, FOUNDATION AND ALL ASSOCIATED ELEMENTS FOR CONSTRUCTION OF NEW BUILDING. REFER TO SPEC. FOR EXISTING BUILDING DRAWINGS
3. DEMOLISH EXISTING WOOD DECK BOARDWALK AND ASSOCIATED STRUCTURE AND FOUNDATION
4. RELOCATE AND STORE EXISTING GARBAGE/RECYCLING CONTAINERS DURING CONSTRUCTION
5. EXISTING TREES/SHRUBS TO BE DEMOLISHED
6. DEMOLISH TILE FLOOR, CONCRETE SLAB AND STRUCTURE. REFER TO SPEC. FOR EXISTING BUILDING DRAWINGS
7. EXISTING ASPHALT PATH TO REMAIN
8. EXISTING PLAY STRUCTURE TO REMAIN
9. EXISTING MANHOLE TO REMAIN - REFER TO CIVIL.
10. EXISTING CATCH BASIN TO REMAIN - REFER TO CIVIL.
11. EXISTING LIGHT POLE TO REMAIN
12. EXISTING TIMBER BOLLARDS TO REMAIN
13. EXISTING BENCH TO REMAIN
14. EXISTING GARBAGE AND RECYCLING CONTAINERS TO REMAIN
15. EXISTING WOOD FENCE, TO REMAIN CONTRACTOR TO REPAIR FENCE AS REQ'D DUE TO DAMAGE DURING CONSTRUCTION
16. IRRIGATION ACCESS POINTS COORDINATE WITH PARKS CANADA AGENCY AS TO NOT DISTURB EXISTING LINES OR RELOCATE AS REQ'D TO SUIT NEW CONSTRUCTION
17. REMOVE AND DISCONNECT EXISTING PROPANE TANKS AND UNDERGROUND PIPING TO BUILDING IN ITS ENTIRETY. FOLLOW ALL APPLICABLE REGULATIONS FOR DISPOSAL
18. DEMOLISH EXISTING WOOD ENCLOSURE FENCING AND ASSOCIATED FOUNDATION IN ITS ENTIRETY (± 2200mm HIGH)
19. EXISTING RETAINING WALL TO REMAIN
20. REMOVE EXISTING BENCH AND RETURN TO OWNER
21. EXISTING SIGN AND POST TO BE REMOVED AND SALVAGED. RETURN TO OWNER
22. APPROX. LOCATION OF EXISTING BUILDING SERVICES. DISCONNECT AS REQ'D PRIOR TO DEMOLITION. REFER TO MECHANICAL, ELECTRICAL AND CIVIL
23. APPROXIMATE LOCATION OF EXISTING LAKE
24. EXISTING WOOD DECK C/W CONC. STRUCTURE TO BE DEMOLISHED - REFER TO SPEC. FOR EXISTING BUILDING DRAWINGS
25. EXISTING SAND BEACH
26. EXISTING PILES TO BE DEMOLISHED - REFER TO STRUCT. (SHOWN FOR REFERENCE ONLY)
27. EXISTING CONTOUR LINES - REFER TO CIVIL
28. DEMOLISH EXISTING WOOD BOLLARDS
29. SALVAGE EXISTING BIKE RACK FOR FUTURE RE-USE AND RELOCATION, COORDINATE WITH PARKS CANADA AGENCY

LEGEND:

- EXISTING ASPHALT PATH TO BE DEMOLISHED - REFER TO KEYNOTE 1
- EXISTING BUILDING TO BE DEMOLISHED - REFER TO KEYNOTE 2
- EXISTING WOOD DECK TO BE DEMOLISHED - REFER TO KEYNOTE 3
- EXISTING TILE FLOOR TO BE DEMOLISHED - REFER TO KEYNOTE 6
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO REMAIN

CONTRACTOR TO RETURN THE FOLLOWING ITEMS TO THE OWNER:

- TOILET PAPER HOLDERS
- MALE/FEMALE SIGNAGE

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Consultant's Name
Nom de l'expert-conseil

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Parks Canada — Parcs Canada

MAR. 27. 19

Strategic Asset Management, Western and Northern Region — Gestion Stratégique des Biens, Région de l'Ouest et du Nord

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
DEMOLITION PLAN

Surveyed by/Arpente par ´	Drawn by/Dessine par	Date
	JP	19 03 27
Designed by/Concept par	Reviewed by/Revise paf	Scale/Echelle
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date
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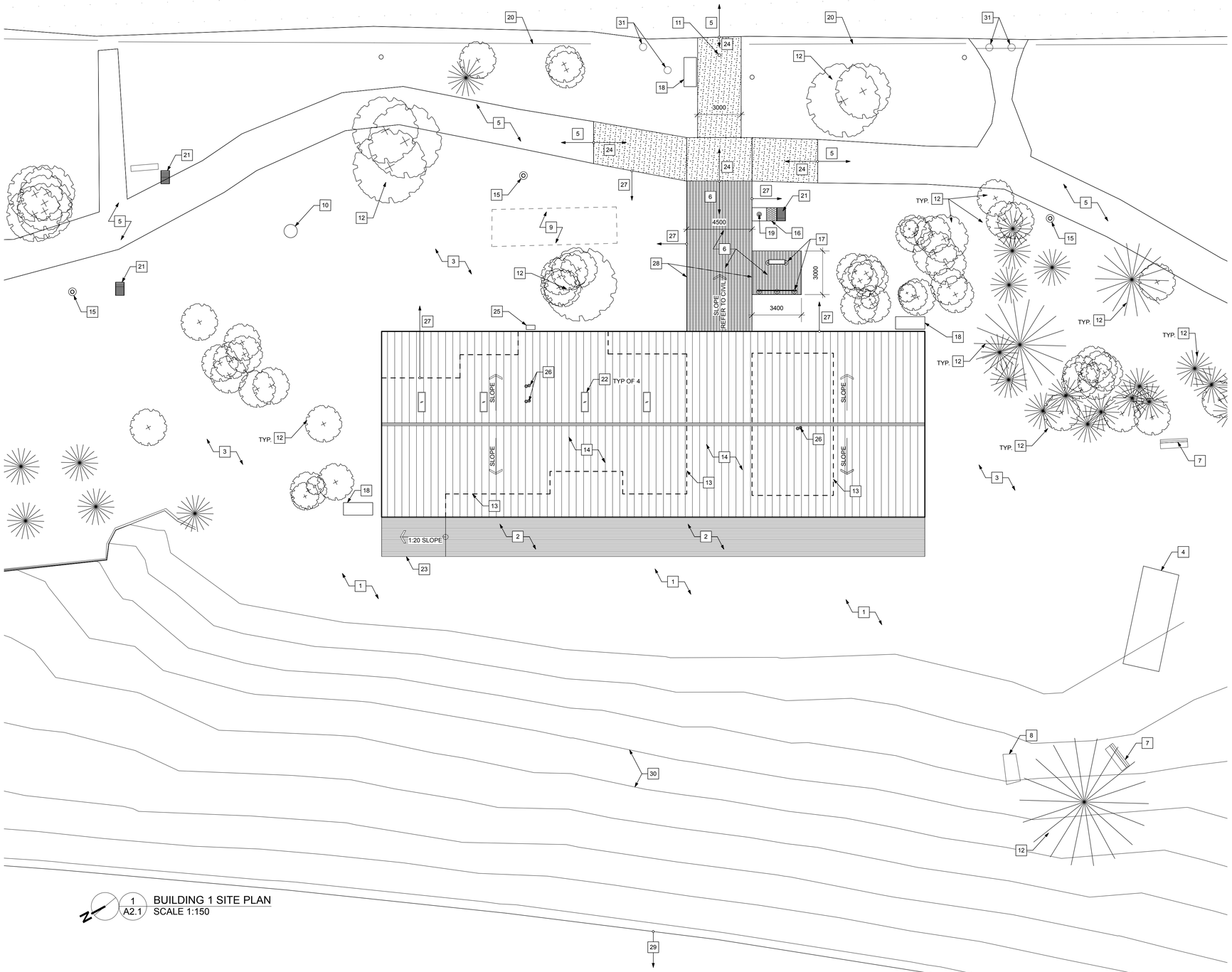
Project No./N° du projet	Asset No./N° du bien	Sheet No./ N°de la feuille
1644		A1.1

Drawing Set No./N° de serie du dessin



1 A2.1 BUILDING 1 SITE PLAN
SCALE 1:150

BUILDING 1 GENERAL NOTES:

1. PROVIDE NEW SOD AND TOPSOIL IN AREAS AFFECTED BY CONSTRUCTION.
2. REFER TO CIVIL, MECHANCIAL AND ELECTRICAL DRAWINGS FOR NEW SERVICE CONNECTION LOCATIONS.
3. REFER TO CIVIL FOR GRADING OF SITE.

BUILDING 1 SITE PLAN KEYNOTES:

1. EXISTING SAND BEACH TO BE RESTORED TO ORIGINAL STATE UPON COMPLETION OF ALL CONSTRUCTION ACTIVITIES
2. NEW WOOD DECK - REFER TO FLOOR PLAN AND STRUCT.
3. REGRADE SITE TO SUIT NEW CONSTRUCTION - REFER TO CIVIL
4. EXISTING PLAY STRUCTURE TO REMAIN
5. EXISTING ASPHALT, PATCH AND REPAIR AREAS DAMAGED DURING CONSTRUCTION
6. NEW PAVERS, TIE INTO ASPHALT PATH - REFER TO CIVIL & SPEC.
7. EXISTING BENCH
8. EXISTING GARBAGE & RECYCLING CONTAINERS
9. NEW SODDING AND TOPSOIL AT AREA AROUND PREVIOUS PROPANE TANK
10. EXISTING MANHOLE COVER
11. NEW STEEL BOLLARD - REFER TO CIVIL
12. EXISTING TREE(S) TO REMAIN - PARKS CANADA AGENCY TO PROVIDE TREE PROTECTION AS REQ'D
13. LINE OF BUILDING UNDER ROOF
14. NEW METAL ROOF C/W SNOW GUARDS - REFER TO SPEC
15. EXISTING LIGHT STANDARD, TO BE PROTECTED DURING CONSTRUCTION
16. NEW RIPRAP - REFER TO CIVIL
17. NEW 300 Ø SONOTUBE CONC. FOUNDATION C/W EMBED ANCHOR BOLTS, FOR FUTURE EXHIBIT DESIGN DISPLAY
18. REINSTALL SALVAGED GARBAGE AND RECYCLING BINS, COORDINATE LOCATION WITH PARKS CANADA AGENCY, PROVIDE CONC. BASE AS PER ORIGINAL CONSTRUCTION
19. NEW PEDESTAL HOSE BIBB C/W CONC. PAD - REFER TO CIVIL AND MECH.
20. REPAIR AND REPLACE WOOD FENCE AFFECTED BY NEW CONSTRUCTION
21. EXISTING CATCH BASIN TO REMAIN
22. SKYLIGHT - REFER TO DETAILS AND SPEC.
23. SLOPED WOOD DECK - REFER TO FLOOR PLANS AND STRUCT.
24. NEW ASPHALT - REFER TO CIVIL
25. NEW NATURAL GAS SERVICE CONNECTION - REFER TO CIVIL AND MECH.
26. MECHANICAL PENETRATIONS - REFER TO MECH.
27. NEW SODDING AND TOPSOIL - REFER TO CIVIL
28. EDGE OF PAVERS TO ALIGN WITH EDGE OF BUILDING
29. APPROXIMATE LOCATION OF EXISTING LAKE
30. EXISTING CONTOUR LINES - REFER TO CIVIL
31. EXISTING WOOD BOLLARD TO REMAIN

LEGEND:

- NEW ASPHALT PATH - REFER CIVIL
- NEW PAVERS - REFER CIVIL FOR BASE DETAILS
- NEW WOOD DECK - REFER TO PLANS AND STRUCT.
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO REMAIN

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Eng. Stamp
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REGISTERED ARCHITECT

Parks Canada — Parcs Canada

Strategic Asset Management, Western and Northern Region — Gestion Stratégique des Biens, Région de l'Ouest et du Nord

MAR 27. 19

Canada

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
SITE PLAN

Surveyed by/Arpente par ´	Drawn by/Dessine par'	Date
	JP	19 03 27
Designed by/Concept par	Reviewed by/Revise paf	Scale/Echelle
TC	TC	AS NOTED

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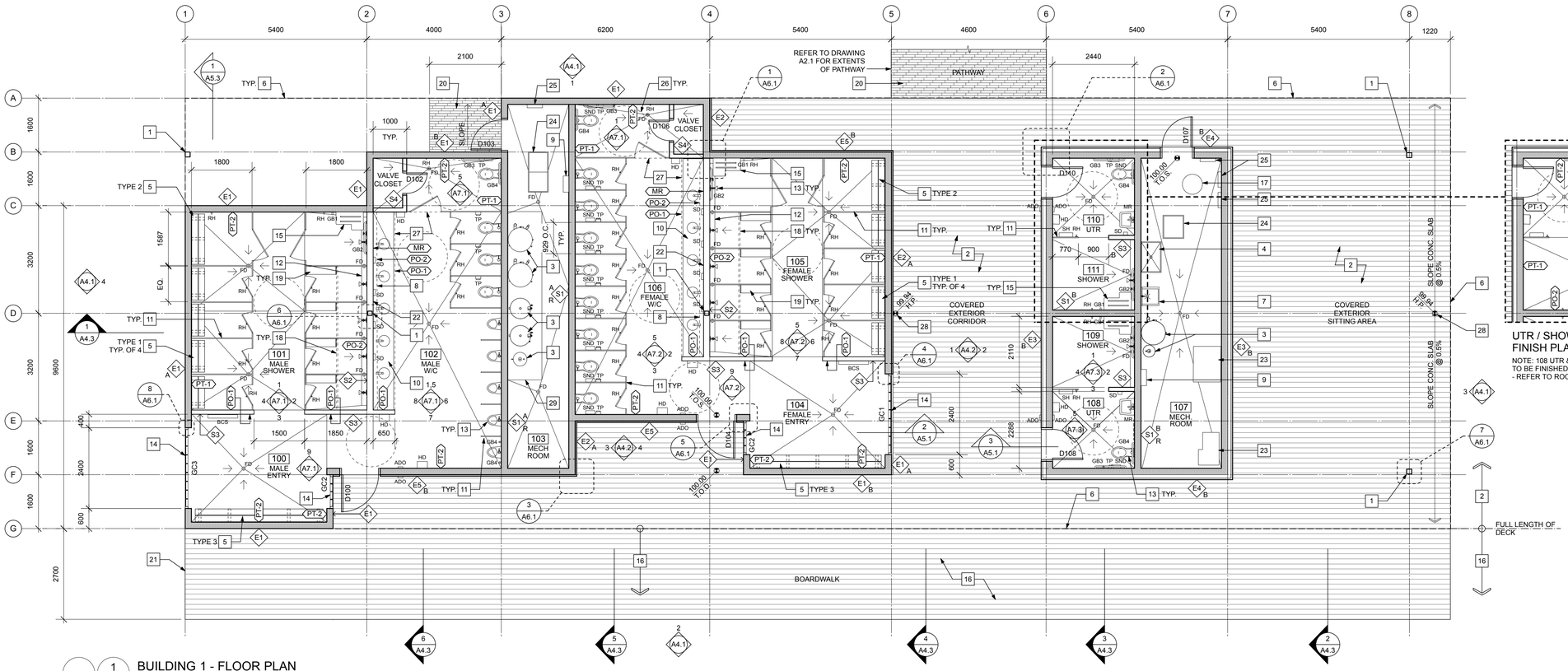
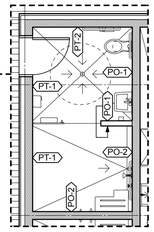
Drawing Set No./N° de serie du dessin



1 / A2.2 BUILDING 1 - FLOOR PLAN
SCALE 1:75



UTR / SHOWER FINISH PLAN
NOTE: 108 UTR & 109 SHOWER TO BE FINISHED SIMILAR (MIRRORED) - REFER TO ROOM FINISH SCHED.

LEGEND (REFER TO SPEC.):

BCS	BABY CHANGE STATION
FD	FLOOR DRAIN
HD	HAND DRYER
HWT	HOT WATER TANK
RH	ROBE HOOK
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL - OWNER SUPPLY, CONTRACTOR INSTALL
TP	TOILET PAPER DISPENSER - OWNER SUPPLY, CONTRACTOR INSTALL
WFS	WATER FILL STATION
ADO	AUTO. DOOR OPENER - REFER TO ELEC. & SPEC.
MR	MIRROR - STAINLESS STEEL
GB1	GRAB BAR - 1000 mm
GB2	L-SHAPED GRAB BAR - 1000 mm x 760 mm
GB3	L-SHAPED GRAB BAR - 760 mm x 760 mm
GB4	GRAB BAR - 600 mm
RSD	RECESSED SOAP DISH
SH	SHELF
XX A	CONCRETE BLOCK TO U/S OF ROOF SHEATHING
XX B	COCNRETE BLOCK TO 3000mm A.F.F.
	NOTE: ALL CONCRETE BLOCK TO 2800mm A.F.F. UNLE OTHERWISE NOTED WITH ABOVE SYMBOLS
XX.XX	HIGH POINT OF CONCRETE SLAB BENEATH WOOD DECKING
H.P.	HIGH POINT OF CONC. SLAB BELOW DECK
T.O.S.	TOP OF CONC. BUILDING SLAB (TYP.)
T.O.D.	TOP OF WOOD DECKING (TYP.)
←	FLOOR SLOPE DIRECTION
XX-X	ROOM FINISH NOTE - SEE SCHEDULE ON A2.3

WALL TYPES:

E1 TH - 190mm
- 190 GLAZED CMU - STACKED BOND
- FINISH - SEE ROOM FINISH SCHEDULE

E2 TH - 234mm
- PRE-FINISHED KEBONY SIDING (22mm THICKNESS) - VERT. ORIENTATION - REFER TO SPEC.
- 22 HORIZ. HAT CHANNELS @ 592 O.C. - PT. O/F BLACK - REFER TO KEYNOTE 11 ON A2.4
- 190 CMU - STACKED BOND
- FINISH - SEE ROOM FINISH SCHEDULE

E3 TH - 334mm
- PRE-FINISHED KEBONY SIDING (22mm THICKNESS) - VERTICAL ORIENTATION - REFER TO SPEC.
- 22 HORIZ. HAT CHANNELS @ 592 O.C. - PT. O/F BLACK - REFER TO KEYNOTE 11 ON A2.4
- 100 ADJUSTABLE VERTICAL Z-BARS @ 600 O.C.
- 100 RIGID INSULATION
- AIR / VAPOUR BARRIER
- 190 CMU - STACKED BOND
- FINISH - SEE ROOM FINISH SCHEDULE

E4 TH - 334mm
- PRE-FINISHED KEBONY SIDING (22mm THICKNESS) - HORIZ. ORIENTATION - REFER TO SPEC.
- 22 VERT. HAT CHANNELS @ 600 O.C. - PT. O/F BLACK
- 100 ADJUSTABLE HORIZONTAL Z-BARS @ 600 O.C.
- 100 RIGID INSULATION
- AIR / VAPOUR BARRIER
- 190 CMU - STACKED BOND
- FINISH - SEE ROOM FINISH SCHEDULE

E5 TH - 234mm
- PRE-FINISHED KEBONY SIDING (22mm THICKNESS) - HORIZ. ORIENTATION - REFER TO SPEC.
- 22 VERT. HAT CHANNELS @ 600 O.C. - PT. O/F BLACK
- PAINT & SEAL - BLACK
- 190 CMU - STACKED BOND
- FINISH - SEE ROOM FINISH SCHEDULE

S1 TH - 190mm
FRR - 1 HR (WHEN DESIGNATED 'R')
- FINISH (WASHROOM SIDE) - SEE ROOM FIN. SCHED.
- 190 CMU - STACKED BOND
- FINISH (MECH. ROOM SIDE) - SEE ROOM FIN. SCHED.

S2 TH - 187 mm (ABOVE VANITY), 348 (BELOW VANITY)
REFER TO WALL SECTION 4/A5.3
- FINISH - SEE ROOM FINISH SCHEDULE
- 16 TILE BACKER BOARD
- 152 16 Ga STEEL STUDS @ 400 O.C. (FULL HEIGHT)
- 19 PLYWOOD SHEATHING (ABOVE VANITY)
- FINISH (ABOVE VANITY) - SEE ROOM FINISH SCHEDULE
- 100 AIR SPACE (PLUMBING CHASE, BELOW VANITY)
- 64 20 Ga STEEL STUDS @ 400 O.C. (BELOW VANITY)
- 16 TILE BACKER BOARD (BELOW VANITY)
- FINISH (BELOW VANITY) - SEE ROOM FIN. SCHED.

S3 TH - 124mm
- FINISH - SEE ROOM FINISH SCHEDULE
- 16 TILE BACKER BOARD
- 92 16 Ga STEEL STUDS @ 400 O.C.
- 16 TILE BACKER BOARD
- FINISH - SEE ROOM FINISH SCHEDULE

S4 TH - 118 mm
- FINISH - SEE ROOM FINISH SCHEDULE
- 13 G1S PLYWOOD SHEATHING
- 92 20 Ga STEEL STUDS @ 400 O.C.
- 13 PLYWOOD SHEATHING (CLOSET INTERIOR)
- NO FINISH ON INTERIOR OF VALVE CLOSET

BUILDING PLAN KEYNOTES:

1. STEEL COLUMN, PAINT - REFER TO STRUCT.
2. NEW WOOD DECK ON SLEEPERS ON CONCRETE SLAB ON GRADE - REFER TO STRUCT. & A2.3, A5.1 & A6.1
3. HOT WATER TANK - REFER TO MECH.
4. MOP SINK C/W MOP HOLDER - REFER TO MECH. & SPEC.
5. BENCH TYPE 1, TYPE 2, OR TYPE 3 - REFER TO INTERIOR ELEVATIONS, BENCH PLANS 10/A7.1, DETAIL 1/A5.1 & SPEC.
6. LINE OF ROOF ABOVE
7. WALL HUNG SINK - REFER TO MECH.
8. LINE OF PLUMBING WALL BELOW SINK - REFER TO 4/A5.3
9. THERMOSTATIC MIXING VALVE - REFER TO MECH.
10. STAINLESS STEEL COUNTER W/ INTEGRATED SINKS - REFER TO DETAILS & MECH.
11. TOILET PARTITIONS - REFER TO SPEC
12. OPEN TRENCH DRAIN (SLOPING) - REFER TO MECH., STRUCT. AND DETAIL 2/A3.1 & 3/A3.1
13. PLUMBING FIXTURE - REFER TO MECH.
14. TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM - REFER TO DRAWING A4.2 & SPEC.
15. FOLDING SHOWER SEAT. PROVIDE BLOCKING AS REQUIRED - REFER TO SPEC.
16. NEW WOOD DECK ON WOOD STRUCTURE - REFER TO STRUCT. AND DETAILS
17. GRINDER PUMP - REFER TO CIVIL, MECH. & STRUCT.
18. SHOWER RAIL C/W SHOWER CURTAIN - REFER TO SPEC.
19. PARTITION MOUNTED SHOWER SEAT - REFER TO SPEC.
20. CONCRETE PAVERS - REFER TO SITE PLAN & SPEC.
21. SITE TO BE GRADED TO MATCH TOP OF DECK TO ALLOW BARRIER FREE ACCESS / EXIT - THIS LOCATION - REFER TO CIVIL
22. FULL WIDTH MIRRORED FINISH STAINLESS STEEL MIRROR - REFER TO SPEC & INTERIOR ELEVATIONS
23. HVAC UNIT - REFER TO MECH.
24. SAND INTERCEPTOR FLOOR ACCESS / COVER - VERIFY LOCATION - REFER TO MECH. & STRUCT.
25. ELECTRICAL / SECURITY SYSTEM PANEL - REFER TO ELEC.
26. INDICATIVE OF A 1500 mm TURNING RADIUS
27. LIMITS OF BULKHEAD ABOVE - REFER TO SECTION
28. CONCRETE SLAB (BELOW DECKING) HIGH POINT CONTINUOUS ALONG GRIDLINE D. HIGH POINT ELEVATION AS NOTED.
29. HOUSEKEEPING PAD - REFER TO MECH. & STRUCT.

GENERAL NOTES:

1. ALL EXPOSED PLUMBING TO BE ON MECHANICAL ROOM SIDE OF WALL - ROOMS 103, 107

WALL TYPE GENERAL NOTES

1. FIRERATED WALL TYPE SYMBOLS ARE DESIGNATED WITH AN "R". REFER TO REFLECTED CEILING PLAN FOR LOCATION AND RATING OF FIRE RATED WALLS. FIRE RESISTANCE RATINGS (FRR) AND SOUND TRANSMISSION CLASSES (STC) ARE SHOWN FOR REFERENCE ONLY.

2. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISHES.

3. ALL WALLS TO EXTEND TO UNDERSIDE OF FLOOR STRUCTURE OR DECK ABOVE UNLESS OTHERWISE NOTED. SEAL WITH ACOUSTIC CAULKING AT PERIMETER AND ALL PENETRATIONS. REFER TO DETAILS AND CEILING PLAN.

4. CONSTRUCT FIRE RATED WALLS TO UNDERSIDE OF DECK ABOVE.

5. ALL INTERIOR WALL DIMENSIONS TO OUTSIDE FACE OF GYPSUM BOARD / PLYWOOD / BACKER BOARD / OUTSIDE FACE OF BLOCK. COORDINATE STUDS TO SUIT.

6. PROVIDE SLIP-JOINT FOR ALL FULL HEIGHT PARTITIONS. MAINTAIN FIRE RESISTANCE RATING WHERE REQUIRED.

ROOM FINISH SCHEDULE (XX-X)

					CEILING		WALLS								
							NORTH		EAST		WEST		SOUTH		
REV.	NO.	NAME	FLOOR	BASE	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	NOTE
	BUILDING 1														
	100	MALE ENTRY	PO	-	EXP / PL	PT-1 / CC	CMU	PT-1	PO-1	-	CMU	PT-2	CMU	PT-2	5
	101	MALE SHOWER	PO	-	EXP / PL	PT-1 / CC	CMU	PT-1	CMU	PT-2	PO-1	-	PO-2	-	5
	102	MALE W/C	PO	-	EXP / PL	PT-1 / CC	MR / PO	-	CMU / PL	PT-2 / VA	CMU	PT-2	CMU	PT-1	4,5
	103	MECH ROOM	CONC	-	EXP / PL	PT-1 / CC	CMU	-	CMU	-	CMU	-	CMU	-	5
	104	FEMALE ENTRY	PO	-	EXP / PL	PT-1 / CC	CMU	PT-2	PO-1	-	CMU	PT-2	CMU	PT-1	4,5
	105	FEMALE SHOWER	PO	-	EXP / PL	PT-1 / CC	PO-2	-	CMU	PT-2	PO-1	-	CMU	PT-1	5
	106	FEMALE W/C	PO	-	EXP / PL	PT-1 / CC	CMU	PT-1	CMU / PL	PT-2 / VA	CMU	PT-2	MR / PO	-	5
	107	MECH ROOM	CONC	-	GWB-X	PT-1	CMU	-	CMU	-	CMU	-	CMU	-	
	108	UTR	PO	-	PL	CC	CMU	PT-1	PO-1	-	CMU	PT-2	PO-1	-	
	109	SHOWER	PO	-	PL	CC	CMU	PT-1	PO-2	-	PO-1	-	PO-2	-	
	110	UTR	PO	-	PL	CC	CMU	PT-1	CMU	PT-2	PO-1	-	PO-1	-	
	111	SHOWER	PO	-	PL	CC	CMU	PT-1	PO-1	-	PO-2	-	PO-2	-	

NOTES
1. PROVIDE 20 GAUGE STUDS AT PORCELAIN/CERAMIC TILE
2. PROVIDE TILE BACKER BOARD AT ALL PORCELAIN/CERAMIC TILE LOCATIONS - REFER TO SPEC.
3. PAINT COLOUR TO BE DETERMINED- REFER TO SPEC.
4. REFER TO INTERIOR ELEVATION 8/A7.1 & 2/A7.2 FOR SINK AREA FINISH LOCATIONS
5. CEILING - BEAMS & JOISTS PAINTED; PLYWOOD CLEAR COAT
6. PROVIDE CLEAR COAT ON PLYWOOD IN VALVE CLOSET

ROOM FINISH LEGEND

FLOOR

CONC	CONCRETE - SEALED
PO	PORCELAIN TILE

CEILING

GWB-X	GYPSUM WALL BOARD - TYPE 'X' - MOLD, MOISTURE & ABUSE RESISTANT
EXP	EXPOSED STRUCTURE
PL	PLYWOOD - GOOD ONE SIDE
PT-1	PAINT - WHITE - MOULD RESISTANT
CC	CLEAR COAT

WALL

CMU	CONCRETE MASONRY UNIT
PO-1	100 x 300 PORCELAIN TILE - COLOUR #1
PO-2	100 x 300 PORCELAIN TILE - COLOUR #2
PL	PLYWOOD - GOOD ONE SIDE
PT-1	PAINT - WHITE
PT-2	PAINT - ACCENT
CC	CLEAR COAT
MR	STAINLESS STEEL MIRROR

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	J.W.	T.C.

Revision / Revision

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Linear dimensions in millimetres — Dimensions lineairés en millimetres

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

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REGISTERED PROFESSIONAL ENGINEER
MANITOBA ASSOCIATION OF ARCHITECTS

Parks Canada / Parcs Canada — MAR. 27. 19

Strategic Asset Management, Western and Northern Region / Gestion Stratégique des Biens, Région de l'Ouest et du Nord

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120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
FLOOR PLAN

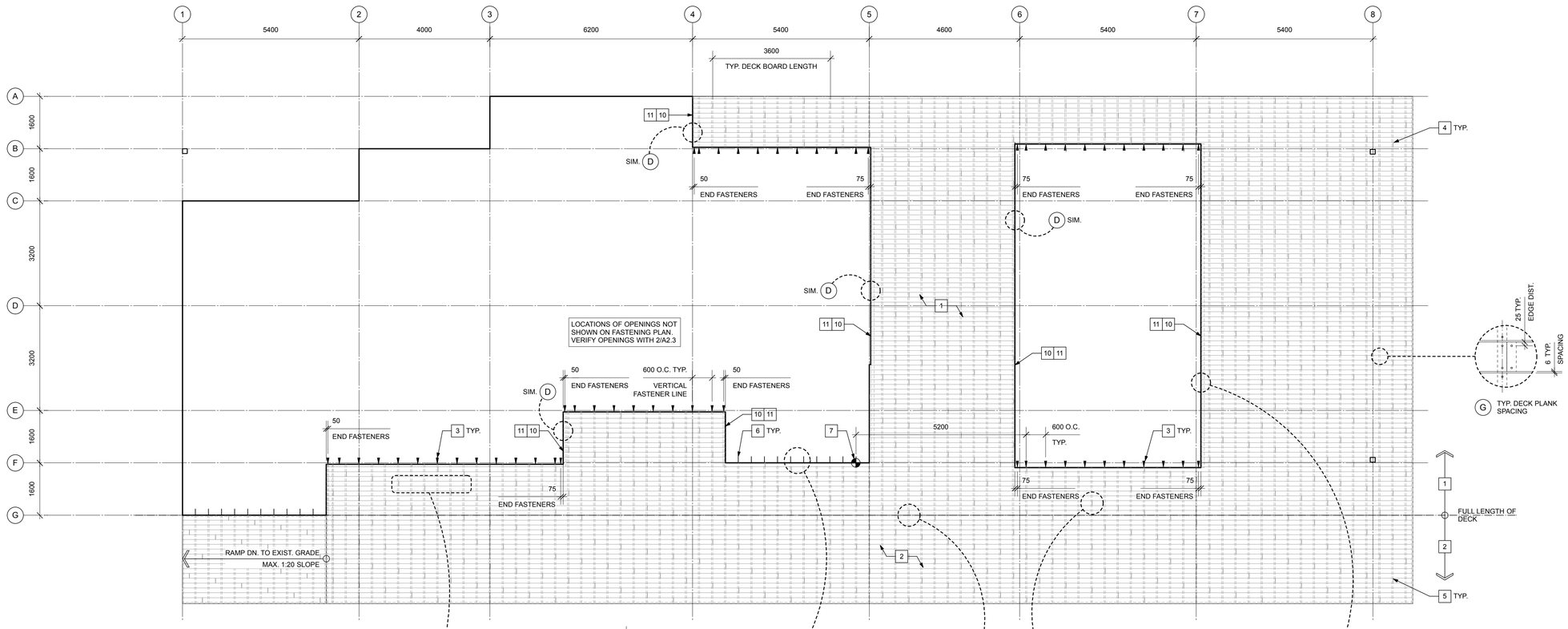
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revisé par**	**Scale/Echelle**
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date

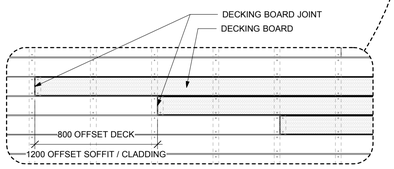
Approved by/Approuvé par — Date

Project No./N° du projet	Asset No./N° du bien	Sheet No./ N° de la feuille
1644		A2.2

Drawing Set No./N° de serie du dessin

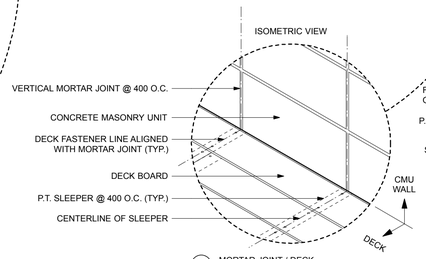


1 / A2.3 BUILDING 1 - FASTENING PLAN
SCALE 1:75

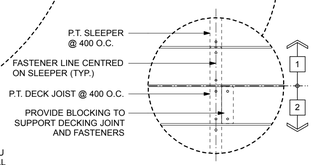


F TYPICAL BOARD JOINT OFFSET & FASTENER DETAIL

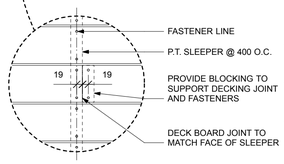
USE SIM. OFFSET FOR SOFFIT & WALL CLADDING (@ 1200mm)



A MORTAR JOINT / DECK FASTENER LINE ALIGNMENT DETAIL

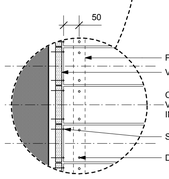


B TYP. SLEEPER / JOIST TRANSITION DETAIL

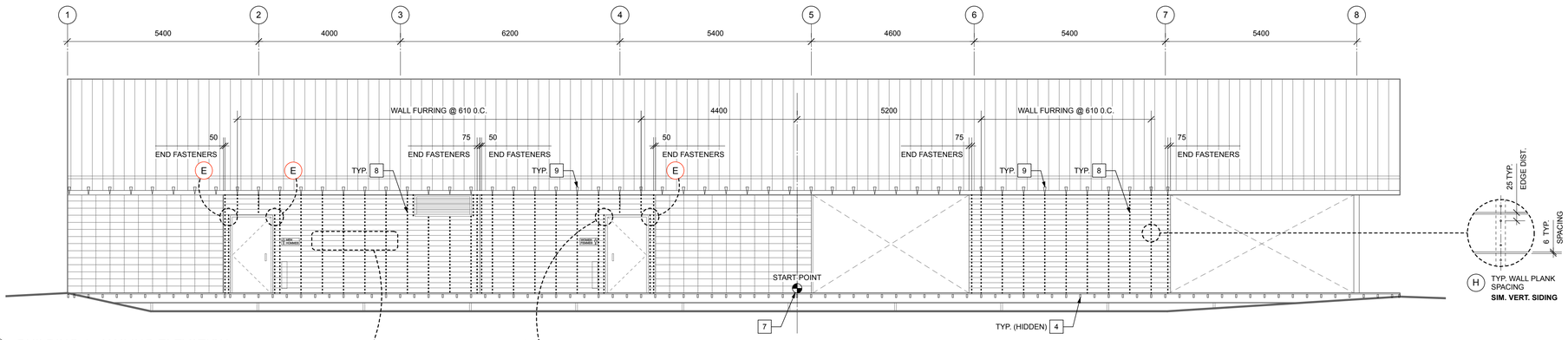


C TYP. DECK BOARD JOINT DETAIL (SIDING JOINT SIM.)

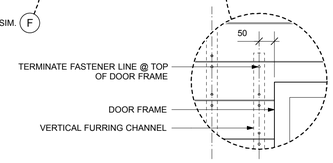
SIM. SIDING & SOFFIT



D TYP. DECK / WALL TRANSITION DETAIL



2 / A2.3 BUILDING 1 - NAILING ELEVATION
SCALE 1:75



E TYP. VERTICAL FASTENER LINE AT EXTERIOR DOOR

SIM. HVAC OPENINGS

FASTENER PLAN & ELEVATION KEYNOTES:

1. NEW WOOD DECK ON WOOD SLEEPERS ON CONCRETE SLAB ON GRADE - REFER TO STRUCT. & SECTION
2. NEW WOOD DECK ON WOOD STRUCTURE - REFER TO STRUCT. AND DETAILS
3. ▼ - LOCATION OF WALL CLADDING FASTENER LINES RUNNING VERTICALLY (FASTENED TO HAT CHANNELS) (SYMBOL SHOWN ON PLAN 1/A2.3)
4. 35 x 140 P.T. WOOD SLEEPERS @ 400 O.C. - REFER TO SPEC.
5. DECK JOISTS CENTRED WITH SLEEPERS @ 400 O.C. - REFER TO STRUCTURAL
6. | - LOCATION OF VERTICAL MASONRY GROUT LINES - REFER TO ELEVATIONS (SYMBOL SHOWN ON PLAN 1/A2.3)
7. START POINT FOR ALIGNMENT OF ALL WALL AND DECK FASTENER LINES (AND ASSOCIATED SUPPORTING STRUCTURES). ENSURE ALL DECK FASTENER LINES ALIGN WITH VERT. MASONRY MORTAR JOINTS.
8. WALL CLADDING VERTICAL FASTENER LINES @ 600 O.C. (ELEVATION)
9. ▽ - LOCATION OF SOFFIT FASTENER LINES TO MATCH WALL FASTENER LINES @ 600 O.C. (SEE SOFFIT SECTION 1/A5.3 FOR STRAPPING DETAIL) (SYMBOL SHOWN ON ELEVATION 2/A2.3)
10. ALIGN & CENTER ALL VERTICAL CLADDING BOARDS WITH DECKING AND SOFFIT BOARDS
11. HORIZONTAL FASTENER LINES SECURING VERTICAL CLADDING TO ALIGN WITH HORIZONTAL CLADDING JOINTS ON ADJACENT WALL

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Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingenieur

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Winnipeg, MB SAA #992
REGISTERED ARCHITECT SASKATCHEWAN

Mar 27. 19

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1 - FASTENER PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revisé par**	**Scale/Echelle**
TC	TC	AS NOTED

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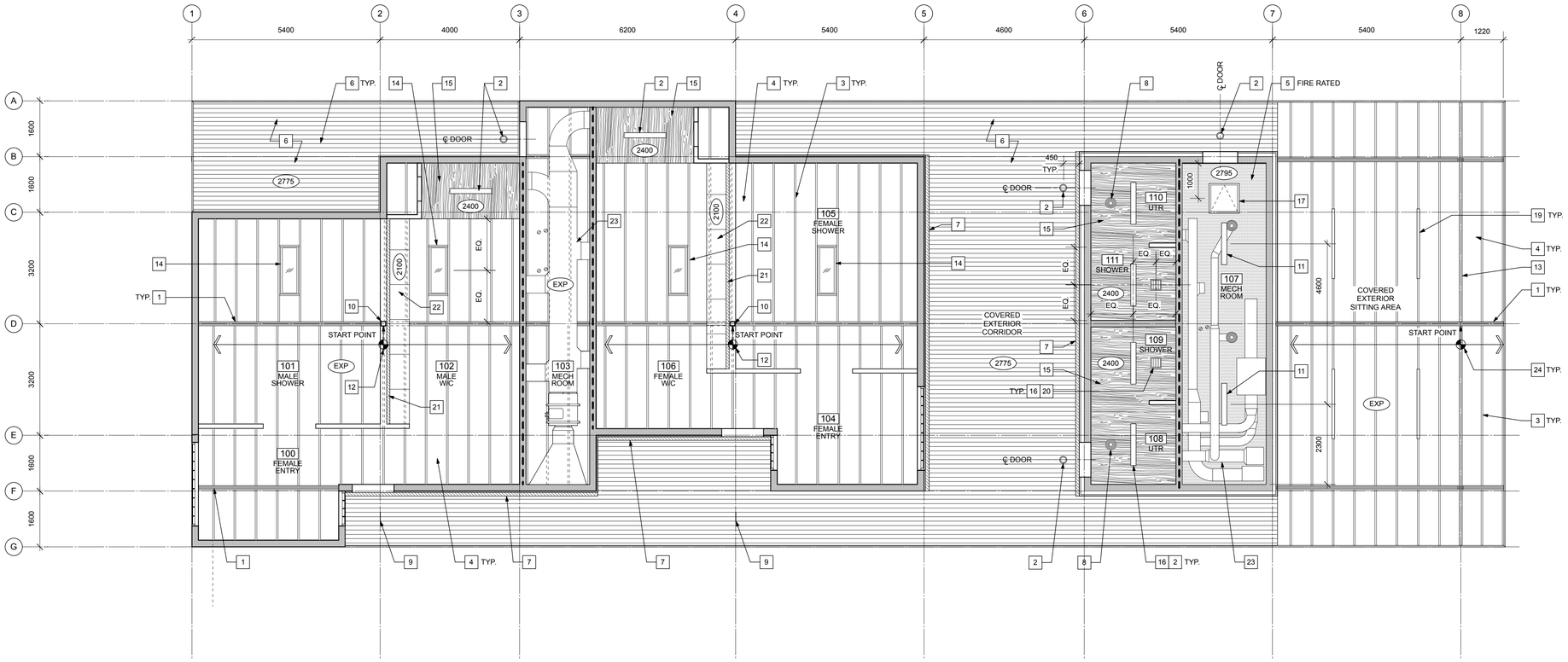
Approved by/Approuvé par — Date

Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
1644		A2.3

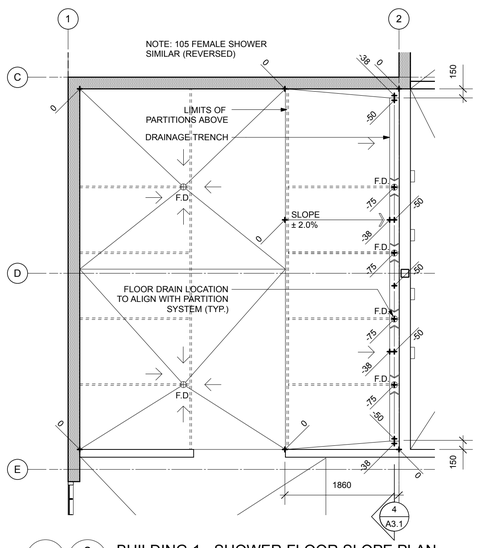
Drawing Set No./Nº de serie du dessin



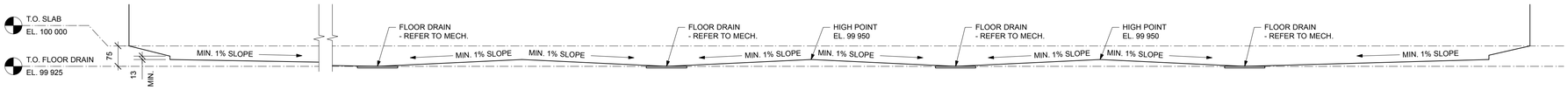
1 / A3.1 BUILDING 1 - REFLECTED CEILING PLAN
SCALE 1:75

REFLECTED CEILING PLAN KEYNOTES:

1. EXPOSED WOOD BEAM - PAINT - REFER TO STRUCT. & SPEC.
2. RECESSED L.E.D. LIGHT FIXTURE - REFER TO ELEC.
3. EXPOSED ROOF STRUCTURE, LAP AT RIDGE BEAM - PAINT WHITE - REFER TO STRUCTURAL
4. EXPOSED PLYWOOD ROOF SHEATHING, GOOD ONE SIDE - CLEAR COAT - REFER TO SPEC. & FINISH SCHED.
5. GYPSUM WALL BOARD - MOLD, MOISTURE & ABUSE RESISTANT - - REFER TO SPEC.
6. KEBONY WOOD SOFFIT - REFER TO DETAILS & DRAWING A2.3
7. RECESSED L.E.D. STRIP LIGHT AT SOFFIT / WALL INTERSECTION - REFER TO DETAILS & ELECT.
8. RECESSED HVAC DIFFUSER / GRILLE - REFER TO MECH.
9. SOFFIT MOUNTED WASHROOM SIGNAGE - REFER TO DETAIL 8/A4.2
10. COLUMN EXPOSED ABOVE WALL - REFER TO STRUCT.
11. SUSPEND LIGHT BELOW HVAC DUCTING - REFER TO MECH. & ELEC.
12. START POINT FOR INTERIOR SPACE JOIST INSTALLATION - CENTER ROOF JOIST INSTALLATION ON COLUMN - REFER TO STRUCT.
13. RIGID STEEL FRAME - PAINT - REFER TO STRUCTURAL
14. SKYLIGHT - REFER TO SPEC. & WALL SECTION 2/A5.2
15. G1S PLYWOOD CEILING - REFER TO SPEC. & FINISH SCHEDULE
16. ALIGN LIGHT FIXTURES AND EXHAUST LOUVERS WITHIN ALL UTR & SHOWER SPACES - REFER TO MECH. & ELEC.
17. INSULATED & RATED ATTIC ACCESS HATCH, FIRE RATED TO MATCH CEILING - REFER TO SPEC.
18. NOT USED
19. LIGHTING FIXTURE MOUNTED TO U/S OF ROOF JOIST - CONDUIT PAINTED TO MATCH JOIST COLOUR
20. EXHAUST LOUVER - REFER TO MECH
21. RECESSED L.E.D. STRIP LIGHT AT BULKHEAD / MIRROR INTERSECTION - REFER TO DETAILS & ELECT.
22. BULKHEAD TILE GROUT LINES TO MATCH MIRROR JOINT LINES - REFER TO SPEC. & INT. ELEVS 8/A7.1 & 2/A7.2
23. HVAC DUCTING & EQUIPMENT - REFER TO MECH.
24. START POINT FOR EXTERIOR JOIST INSTALLATION - CENTER OF STRUCTURAL FRAME - REFER TO STRUCT.



2 / A3.1 BUILDING 1 - SHOWER FLOOR SLOPE PLAN
SCALE 1:50



3 / A3.1 TRENCH DRAIN SLOPE DETAIL
SCALE 1:10

REFLECTED CEILING PLAN LEGEND:

- 600 LONG L.E.D. LIGHT FIXTURE - REFER TO ELEC.
- 1200 LONG L.E.D. LIGHT FIXTURE - REFER TO ELEC.
- 2800 — CEILING HEIGHT
- EXP — EXPOSED CEILING STRUCTURE
- SKYLIGHT
- HEADER
- KEBONY WOOD SOFFIT
- GWB CEILING - MOLD, MOISTURE, ABUSE RESIST.
- JOIST MOUNTED L.E.D. LIGHT FIXTURE - REFER TO ELEC.
- RECESSED L.E.D. STRIP LIGHTING - REFER TO ELEC.
- G1S PLYWOOD SHEATHING - REFER TO SPEC.
- 1 HR FIRE RATED WALL ASSEMBLY
- RECESSED L.E.D. LIGHT FIXTURE - REFER TO ELEC.
- HVAC DIFFUSER - REFER TO MECH.
- EXHAUST LOUVER - REFER TO MECH.

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0	19 03 27	ISSUED FOR TENDER	J.W.	T.C.

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Linear dimensions in millimetres — Dimensions lineairés en millimetres

Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingenieur

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Gestion Stratégique des Biens, Région de l'Ouest et du Nord
MAR 27. 19
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Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
REFLECTED CEILING PLAN

FLOOR SLOPE PLAN & DETAIL

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
TC	TC	AS NOTED

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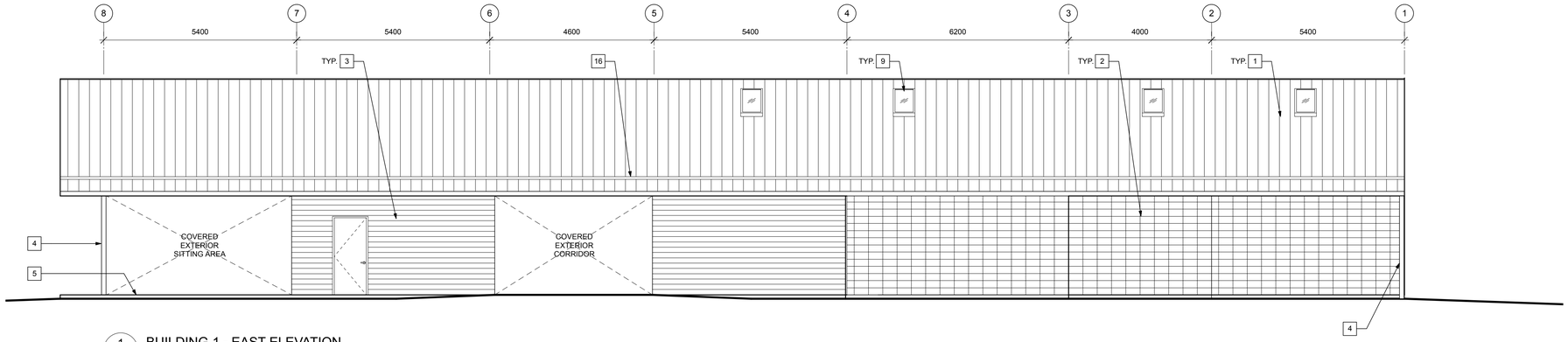
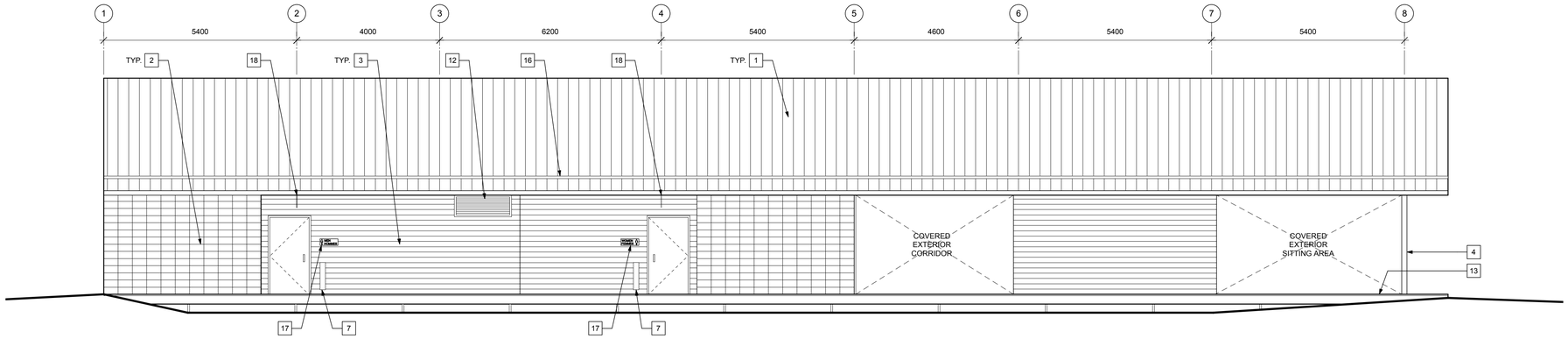
Approved by/Approuvé par — Date

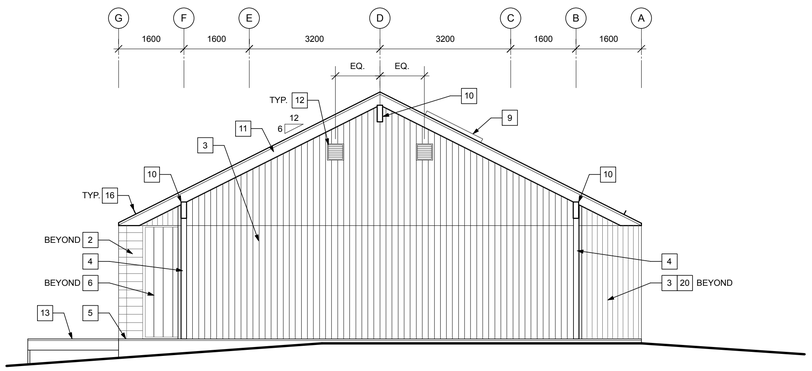
Project No./N° du projet: 1644
Asset No./N° du bien:
Drawing Set No./N° de serie du dessin
Sheet No./N° de la feuille: A3.1



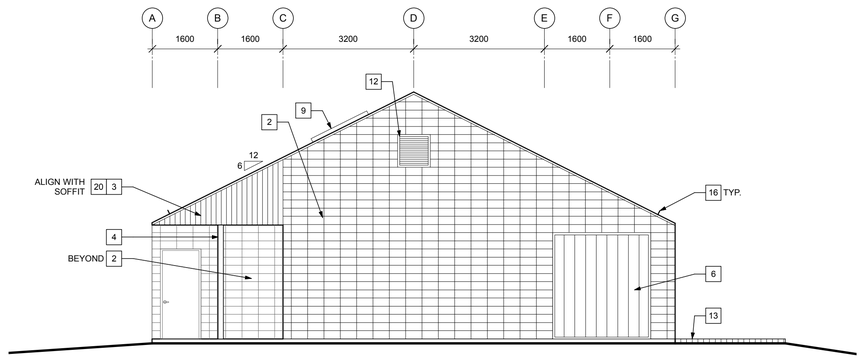
1 / A4.1 BUILDING 1 - EAST ELEVATION
SCALE 1:75



2 / A4.1 BUILDING 1 - WEST ELEVATION
SCALE 1:75



3 / A4.1 BUILDING 1 - SOUTH ELEVATION
SCALE 1:75



4 / A4.1 BUILDING 1 - NORTH ELEVATION
SCALE 1:75

ELEVATION KEYNOTES:

1. STANDING SEAM METAL ROOF - REFER TO SPEC.
2. GLAZED CONCRETE BLOCK - REFER TO SPEC.
3. KEBONY WOOD CLADDING - REFER TO SPEC.
4. EXPOSED STEEL CLOUMN - PAINT - REFER TO STRUCT.
5. WOOD DECK ON SLAB ON GRADE CONCRETE
6. TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM - REFER TO SPEC.
7. AUTOMATIC DOOR OPENER ACTIVATOR - REFER TO ELEC. & SPEC.
8. NOT USED.
9. SKYLIGHT - REFER TO SPEC.
10. EXPOSED BEAM - PAINT - REFER TO STRUCT.
11. EXPOSED ROOF JOIST WITH PRE-FINISHED FLASHING - REFER TO STRUCT. & DETAIL 6/A5.1
12. HVAC LOUVER / GRILLE - PAINT - REFER TO MECH.
13. WOOD DECK ON WOOD STRUCTURE - REFER TO STRUCT.
14. NOT USED.
15. NOT USED.
16. PRE-FINISHED METAL SNOW GUARD TO MATCH ROOF COLOUR - REFER TO SPEC.
17. WALL MOUNTED WASHROOM SIGNAGE - REFER TO DETAIL 7/A4.4
18. SOFFIT MOUNTED WASHROOM SIGNAGE - REFER TO DETAIL 8/A4.4
19. NOT USED.
20. VERTICAL CLADDING TO BE FULL LENGTH BOARDS (NO JOINTS) - ALIGN WITH DECK (WHERE APPLICABLE) AND SOFFIT BOARDS

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé'
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Travis Cooke
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Parks Canada — Parcs Canada — Mar 27. 19

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
ELEVATIONS

Surveyed by/Arpente par ´	Drawn by/Dessine par'	Date
	JW	19 03 27
Designed by/Concept par	Reviewed by/Revise paf	Scale/Echelle
TC	TC	AS NOTED

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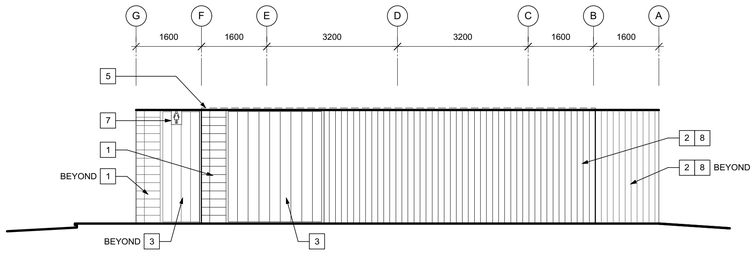
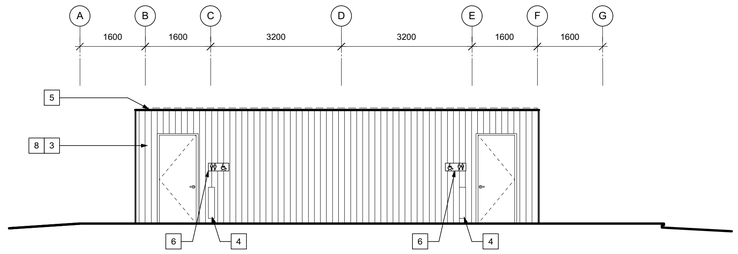
1644		A4.1

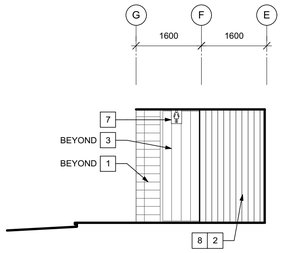
Drawing Set No./N° de setie du dessin



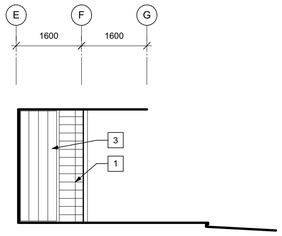
1 / A4.2 BUILDING 1 - EXTERIOR CORRIDOR NORTH ELEVATION
SCALE 1:75



2 / A4.2 BUILDING 1 - EXTERIOR CORRIDOR SOUTH ELEVATION
SCALE 1:75



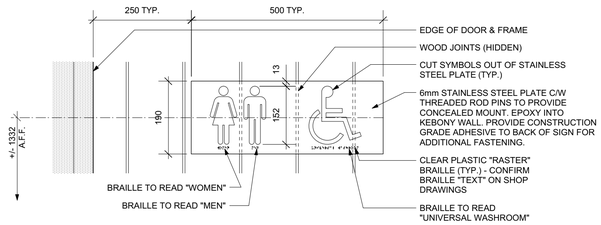
3 / A4.2 BUILDING 1 - NORTH ELEVATION
SCALE 1:75



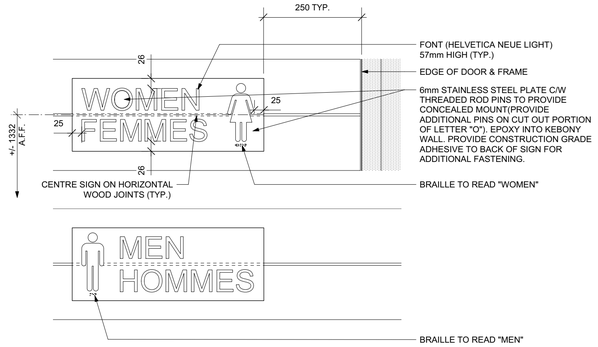
4 / A4.2 BUILDING 1 - SOUTH ELEVATION
SCALE 1:75

ELEVATION KEYNOTES:

1. GLAZED CONCRETE BLOCK - REFER TO SPEC.
2. KEBONY WOOD CLADDING - REFER TO SPEC.
3. TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM - REFER TO SPEC.
4. AUTOMATIC DOOR OPENER ACTIVATOR - REFER TO ELEC. & SPEC.
5. LINEAR L.E.D. LIGHT IN SOFFIT AT INTERSECTION WITH WALL - REFER TO REFLECTED CEILING PLAN & ELECT.
6. WALL MOUNTED WASHROOM SIGNAGE - REFER TO DETAIL 7/A4.2
7. SOFFIT MOUNTED WASHROOM SIGNAGE - REFER TO DETAIL 8/A4.2
8. VERTICAL CLADDING TO BE FULL LENGTH BOARDS (NO JOINTS) - ALIGN WITH DECK (WHERE APPLICABLE) AND SOFFIT BOARDS



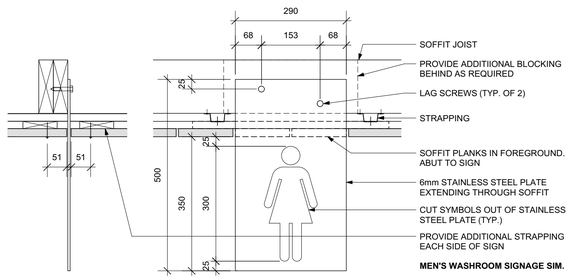
VERTICAL SIDING CONDITION



HORIZONTAL SIDING CONDITION

WALL SIGNAGE GENERAL NOTE:
1. MALE / FEMALE PICTOGRAM TO BE LOCATED ON SIDE OF SIGN NEAREST TO DOOR FRAME

7 / A4.2 WASHROOM WALL SIGNAGE DETAILS
SCALE 1:8

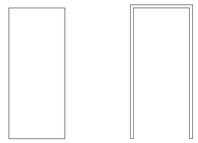


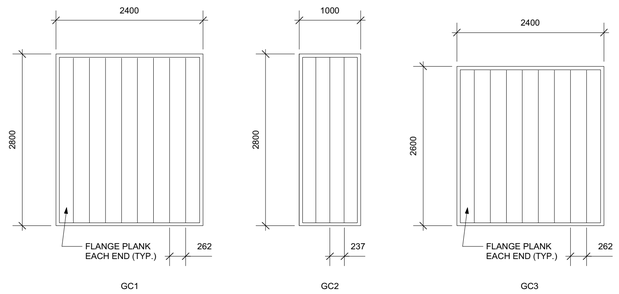
SECTION **ELEVATION**

8 / A4.2 WASHROOM SOFFIT SIGNAGE DETAILS
SCALE 1:8

GLASS CHANNEL SYSTEMS

DOOR TYPES **FRAME TYPES**





DOOR SCHEDULE

			DOOR					FRAME				ULC	HDWE	
REV.	NO.	NOM. SIZE	TYPE	MAT.	CORE	FIN.	GLS.	TYPE	MAT	FIN.	GLS.	RATING	GROUP	NOTES
	Building 1													
	D100	1100 x 2150 x 45 mm	A	HM	-	PT	-	1	WM	PT	-		1	2, 3
	D102	610 x 2030 x 45 mm	A	HM	-	PT	-	1	WM	PT	-		2	
	D103	900 x 2150 x 45 mm	A	HM	-	PT	-	1	WM	PT	-		3	
	D104	1100 x 2150 x 45 mm	A	HM	-	PT	-	1	WM	PT	-		1	2, 3
	D106	610 x 2030 x 45 mm	A	HM	-	PT	-	1	WM	PT	-		2	
	D107	900 x 2150 x 45 mm	A	HM	INSUL	PT	-	1	WMT	PT	-		3	1, 2, 3
	D108	900 x 2150 x 45 mm	A	HM	INSUL	PT	-	1	WMT	PT	-		5	1, 2, 3
	D110	900 x 2150 x 45 mm	A	HM	INSUL	PT	-	1	WMT	PT	-		5	1

NOTES
1. PROVIDE SPRAY FOAM INSULATION IN DOOR FRAME
2. PROVIDE AUTO DOOR OPERATOR
3. DOOR LOCKED BY EVENT TIMER

GENERAL NOTES
ALL DOORS TO BE 45 mm THICKNESS UNLESS OTHERWISE INDICATED

LEGEND
HM Hollow Metal
INSUL Insulated
WMT Welded steel frame thermally broken, insulated
PT Paint
ST Steel
THSDG Tempered hermetically sealed dual glazing
WM Welded steel frame
TG Tempered Glass

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	J.W.	T.C.

Revision / Revision

A/B Detail number / Sheet number — A Numeró de detail / B Numeró de la feuille

Linear dimensions in millimetres — Dimensions lineairés en millimetres

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

Eng. Stamp / Sceau de l'ingenieur
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Winnipeg, MB SAA #992
REGISTERED PROFESSIONAL ENGINEER
MARCH 27, 2019

Parks Canada / Parcs Canada
Strategic Asset Management, Western and Northern Region
Gestion Stratégique des Biens, Région de l'Ouest et du Nord
Canada

Architect
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120 Fort Street, Suite103 Winnipeg, Manitoba R3C 1C7 204 318 2010

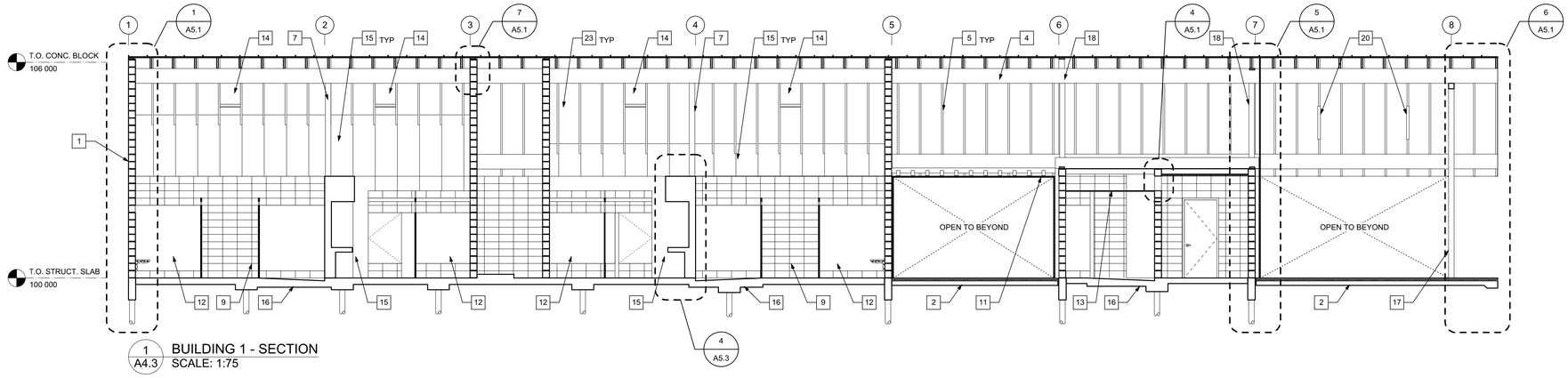
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
ELEVATIONS

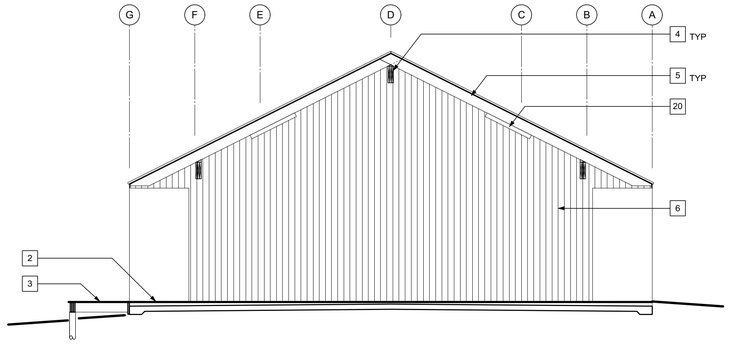
Surveyed by/Arpente par	Drawn by/Dessine par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revise par**	**Scale/Echelle**
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuve par — Date

Project No./Nº du projet: 1644
Asset No./Nº du bien
Drawing Set No./Nº de série du dessin
Sheet No./Nº de la feuille: A4.2



1 / A4.3 BUILDING 1 - SECTION
SCALE: 1:75



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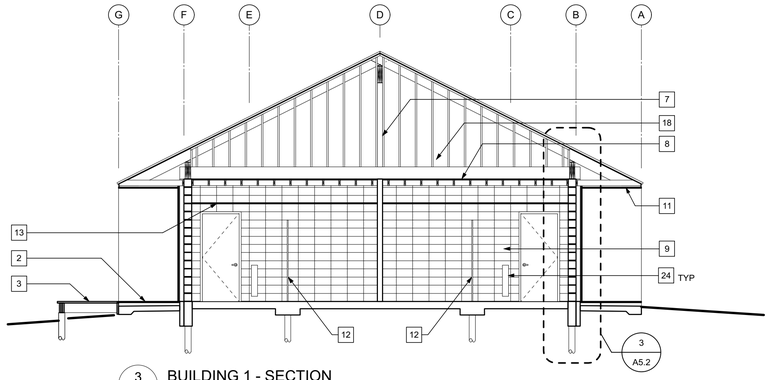

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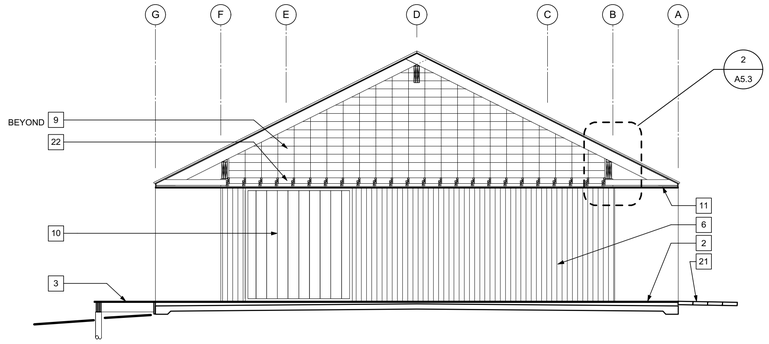

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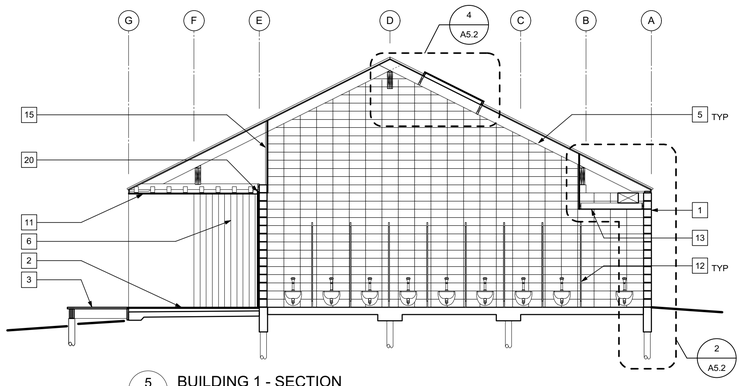

5 / A4.3 BUILDING 1 - SECTION
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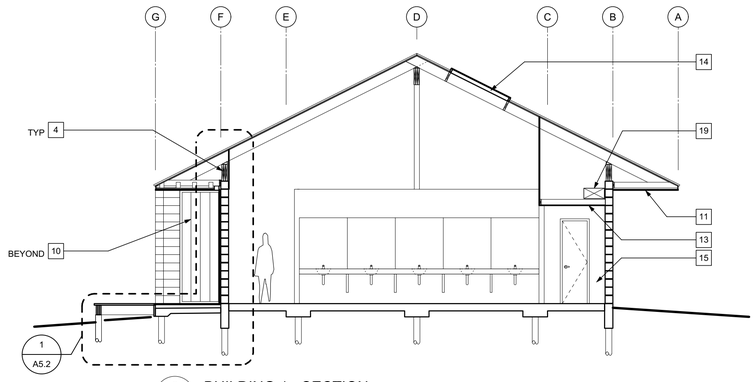

6 / A4.3 BUILDING 1 - SECTION
SCALE: 1:75

BUILDING 1 - SECTIONS KEYNOTES:

1. GLAZED CONCRETE BLOCK - REFER TO STRUCT. & SPEC.
2. WOOD DECK ON SLAB ON GRADE CONC. - REFER TO STRUCT. & DETAILS
3. WOOD DECK ON PILES - REFER TO STRUCT. & DETAILS
4. WOOD BEAM, PTD. - REFER TO STRUCT.
5. WOOD JOIST, PTD. - REFER TO STRUCT.
6. KEBONY WOOD SIDING - REFER TO SPEC.
7. STEEL COLUMN - REFER TO STRUCT.
8. INSULATED CEILING - REFER TO DETAILS
9. CONCRETE BLOCK PTD. - REFER TO STRUCT., SPEC. & FINISH SCHED.
10. TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM - REFER TO SPEC.
11. WOOD SOFFIT - REFER TO SPEC.
12. WASHROOM PARTITIONS - REFER TO SPEC
13. G1S PLYWOOD CEILING - REFER TO DETAILS
14. SKY LIGHT - REFER TO DETAILS
15. G1S PLYWOOD CLAD STUD WALL - REFER TO DETAILS
16. THICKENED SLAB AT SLOPED TRENCH DRAIN - REFER TO STRUCT., MECH. & A3.1
17. RIGID FRAME STEEL COLUMN - REFER TO STRUCT.
18. WOOD STUD WALL - REFER TO STRUCT.
19. MECH. DUCT - REFER TO MECH.
20. EXTERIOR LIGHT - REFER TO ELEC.
21. PAVERS - REFER TO CIVIL & SPEC.
22. WOOD JOISTS - REFER TO STRUCT.
23. EXPOSED PLYWOOD SHEATHING, G1S CLEAR COAT - REFER TO SPEC. & FINISH SCHED.
24. AUTOMATIC DOOR OPENER ACTIVATOR - REFER TO ELEC. & SPEC.

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision

A/B — Detail number / Sheet number — A Numéro de détail / B Numéro de la feuille

Linear dimensions in millimetres — Dimensions linéaires en millimètres

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

Eng. Stamp / Sceau de l'ingénieur

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Strategic Asset Management, Western and Northern Region — Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
BUILDING SECTIONS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
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Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
TC	TC	AS NOTED

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Approved by/Approuvé par — Date

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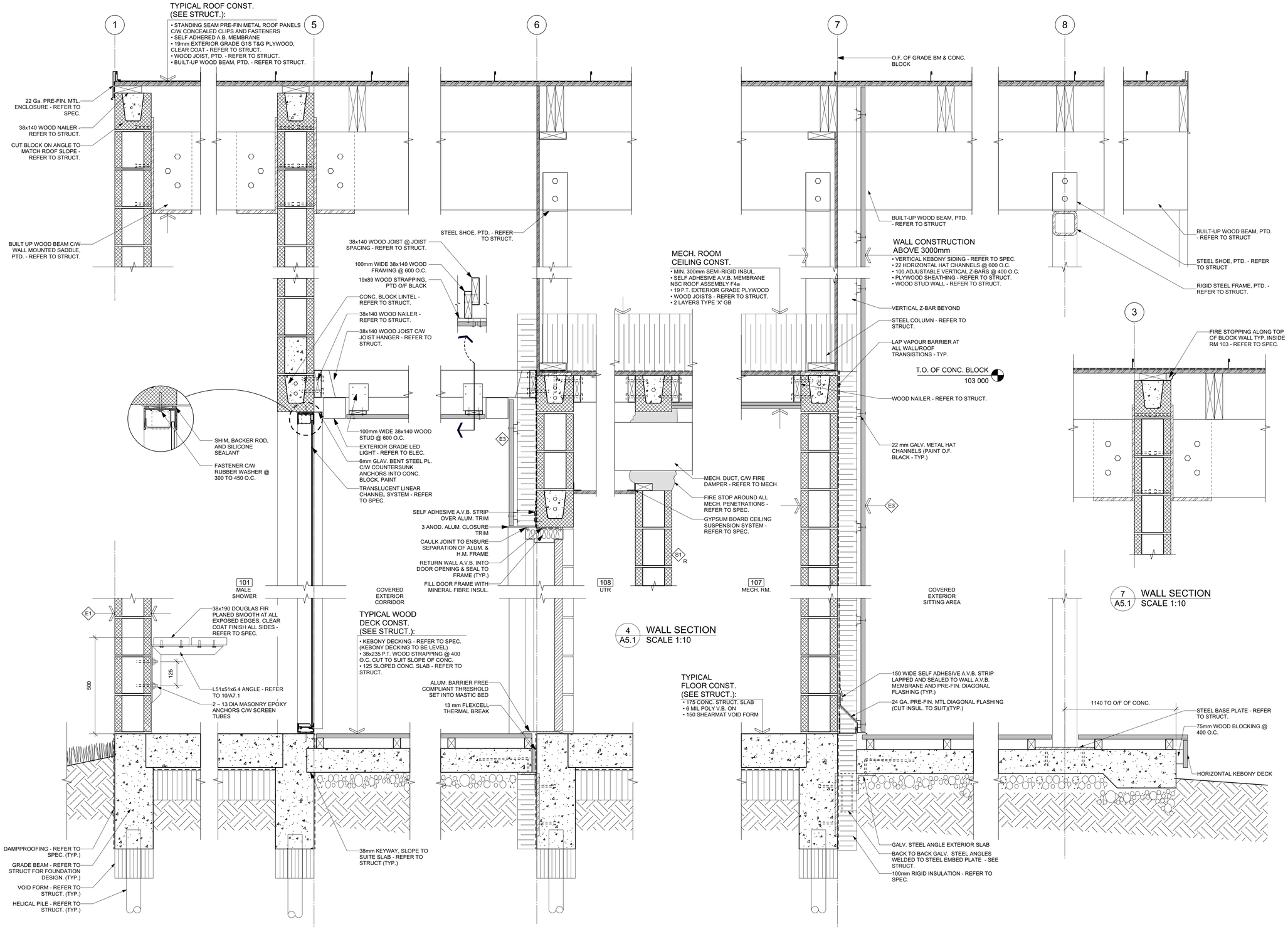
Asset No./N° du bien

Drawing Set No./N° de série du dessin

Sheet No./N° de la feuille: A4.3



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Nom de l'expert-conseil

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
WALL SECTIONS

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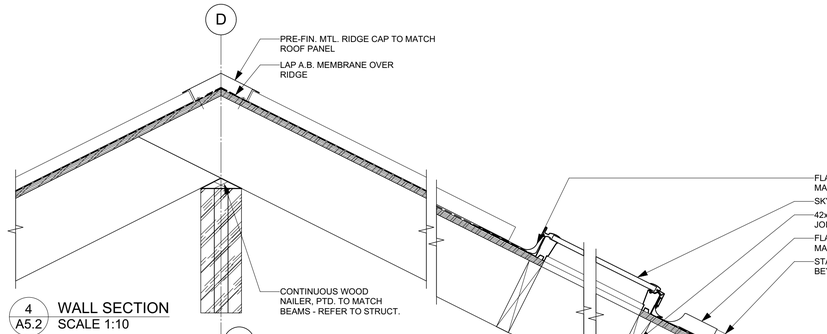
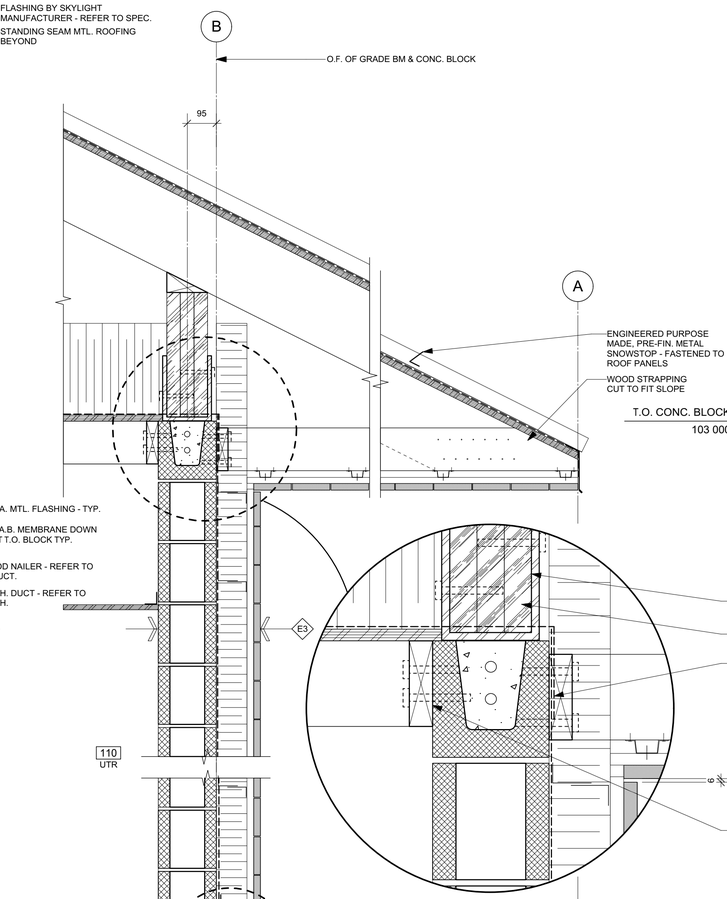
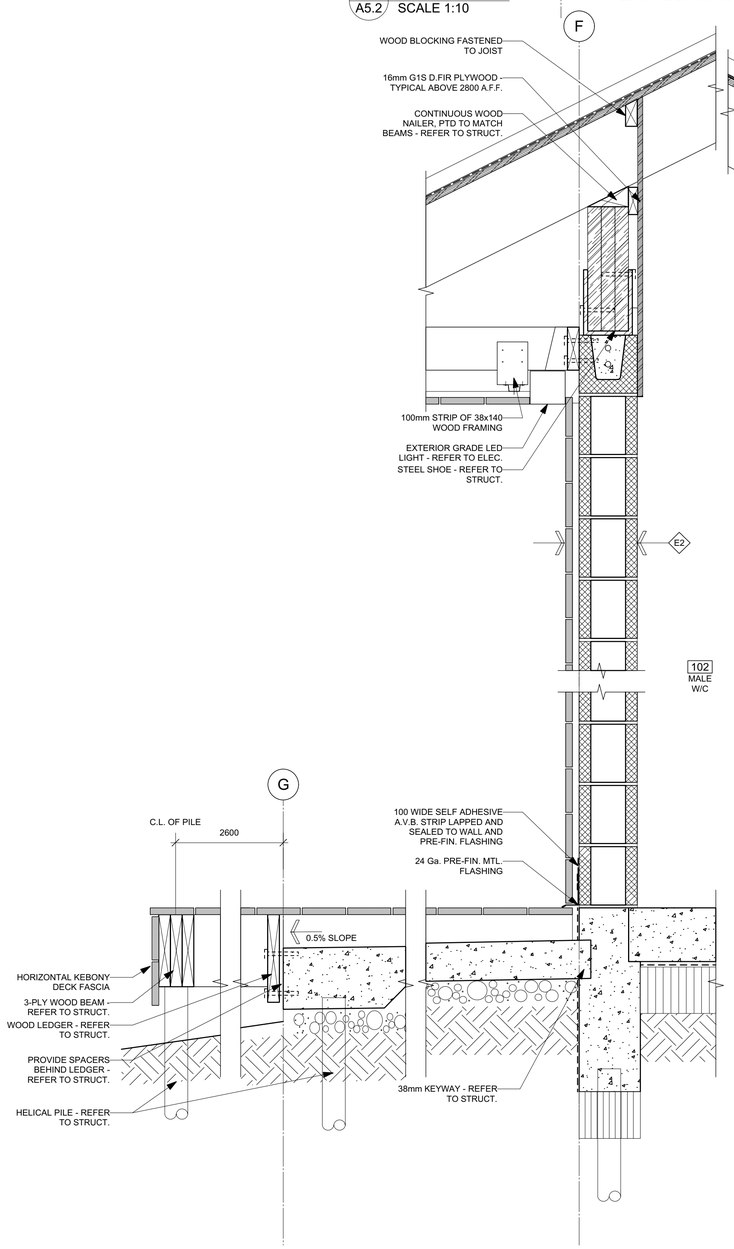
1644		A5.1

Drawing Set No./N º de serie du dessin



4 A5.2 WALL SECTION
SCALE 1:10





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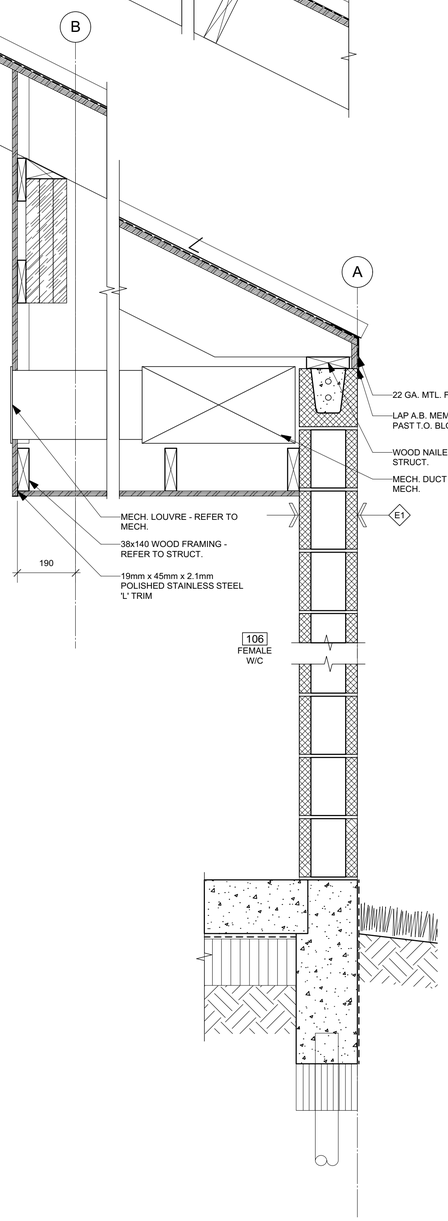

2 A5.2 WALL SECTION
SCALE 1:10

3 A5.2 WALL SECTION
SCALE 1:10

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Project title/Titre du projet
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WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
WALL SECTIONS

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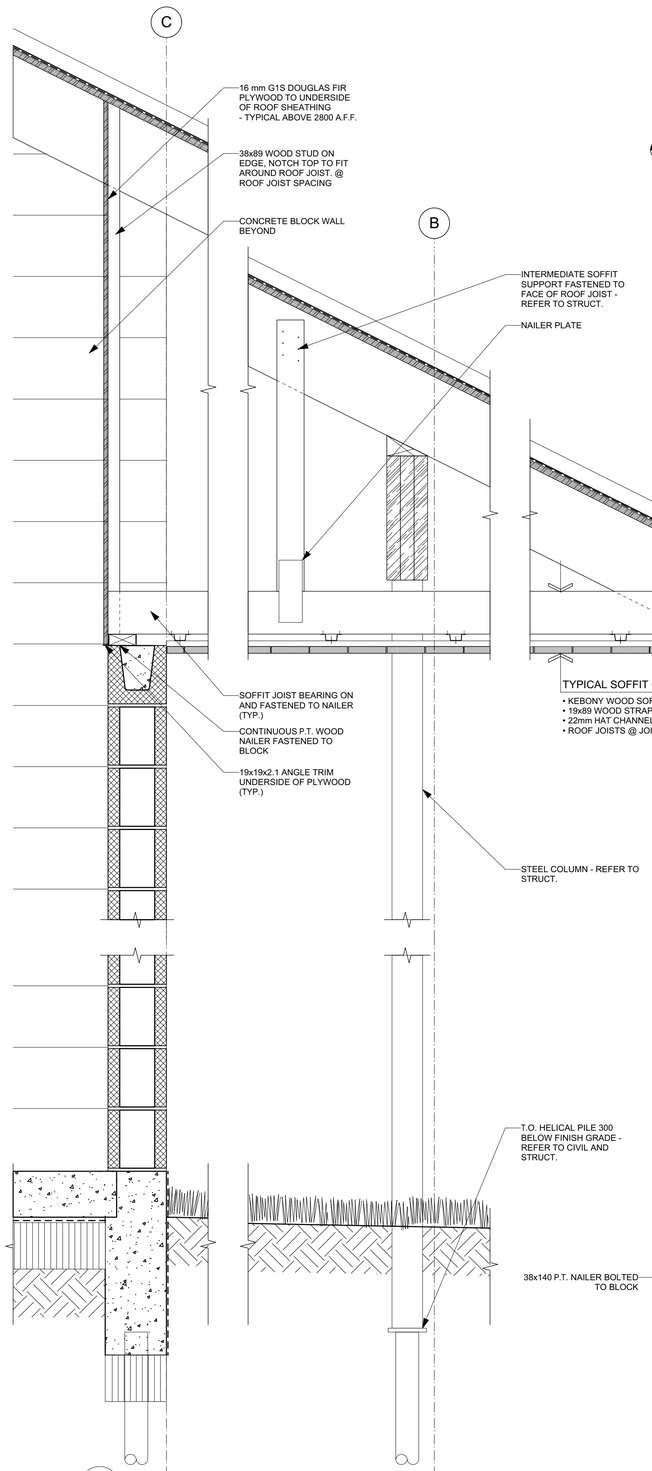
Asset No./N° du bien
Drawing Set No./N° de série du dessin
Sheet No./N° de la feuille: A5.2



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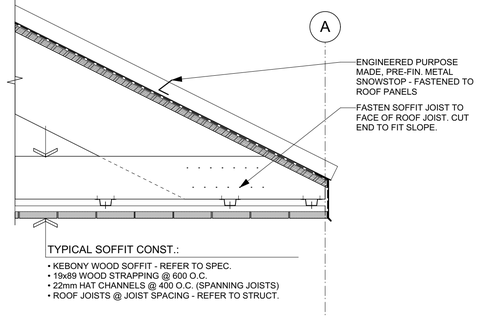
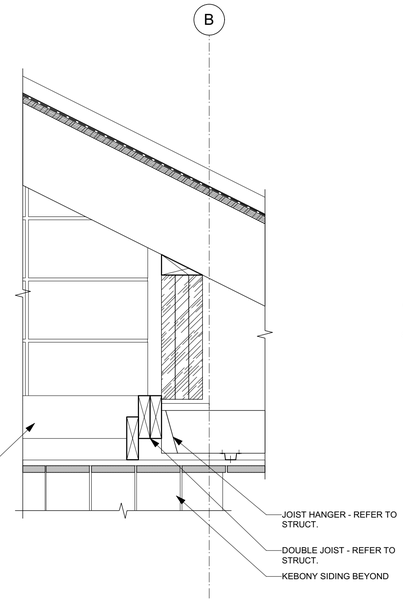


TYPICAL SOFFIT CONST.:

- KEBONY WOOD SOFFIT - REFER TO SPEC.
- 19x89 WOOD STRAPPING @ 600 O.C.
- 22mm HAT CHANNELS @ 400 O.C. (SPANNING JOISTS)
- ROOF JOISTS @ JOIST SPACING - REFER TO STRUCT.



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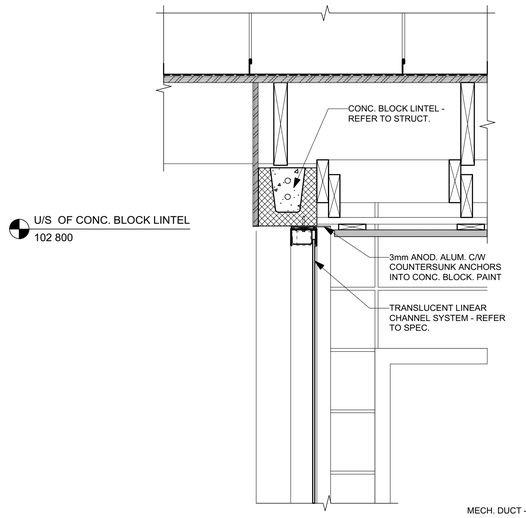

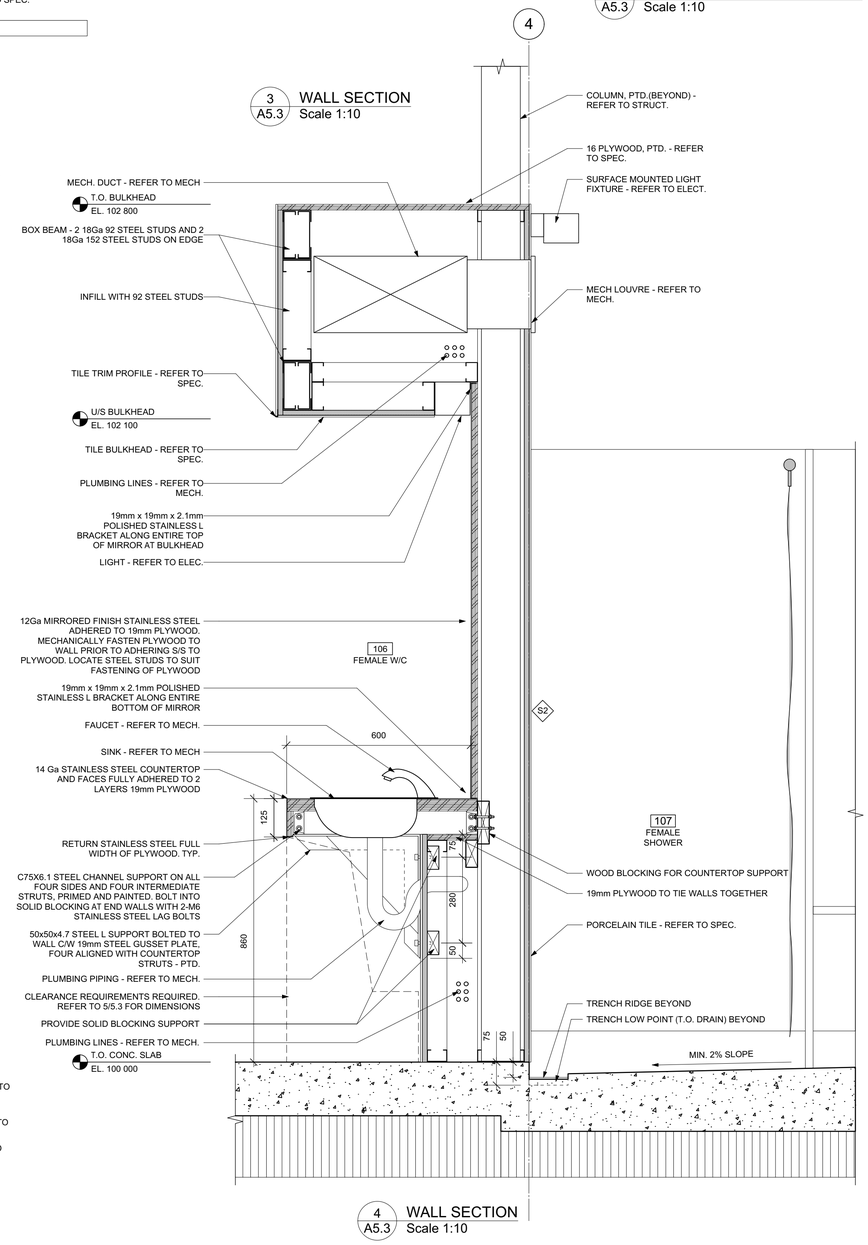

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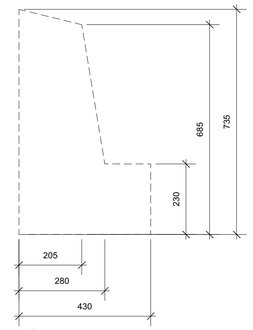

5 A5.3 BARRIER FREE CLEARANCES
Scale 1:10

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Eng. Stamp / Sceau de l'ingénieur

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
WALL SECTIONS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
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TC	TC	AS NOTED

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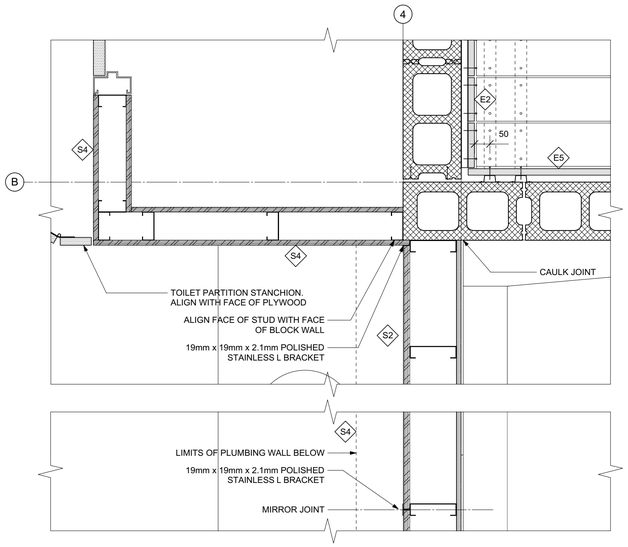
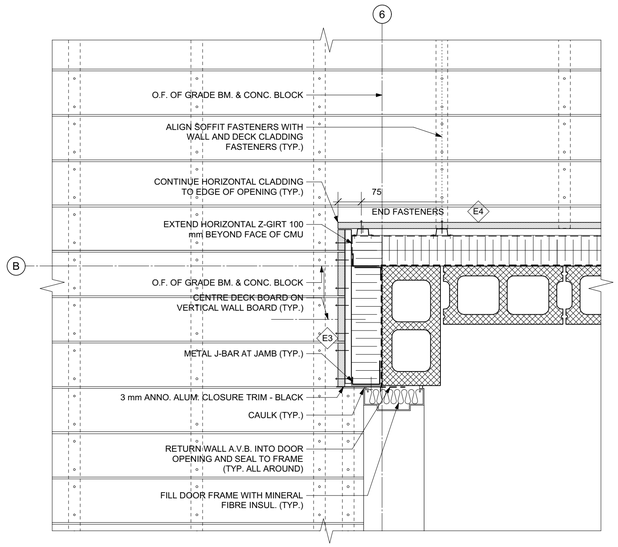
Drawing Set No./Nº de série du dessin

Sheet No./Nº de la feuille: A5.3



1 A6.1 BUILDING 1 - PLAN DETAIL
SCALE 1:10



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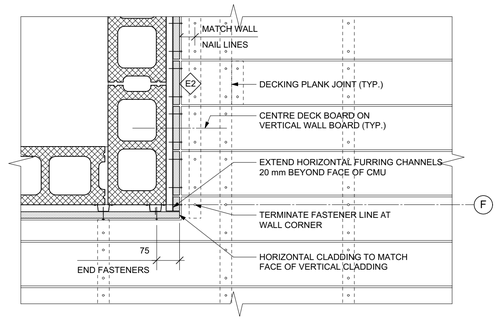

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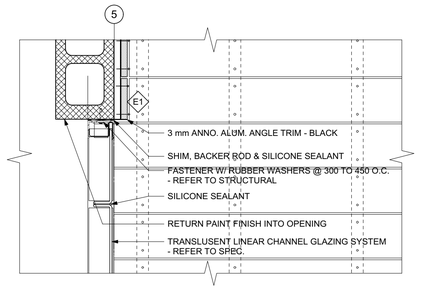

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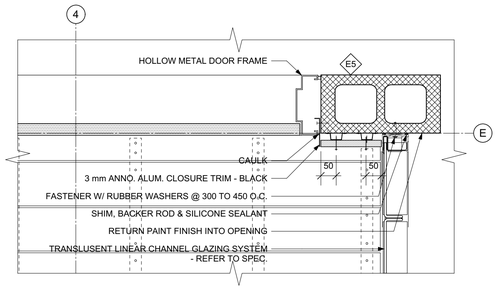

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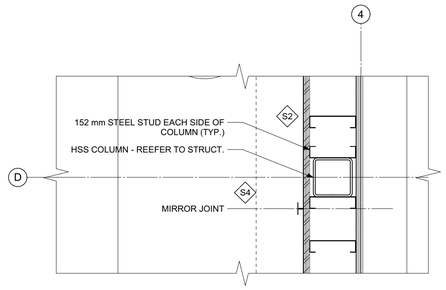
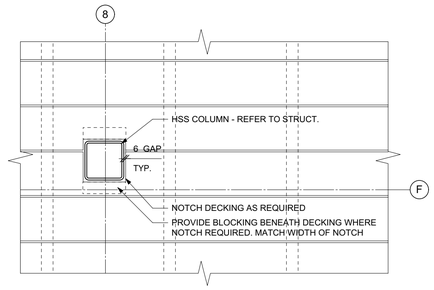
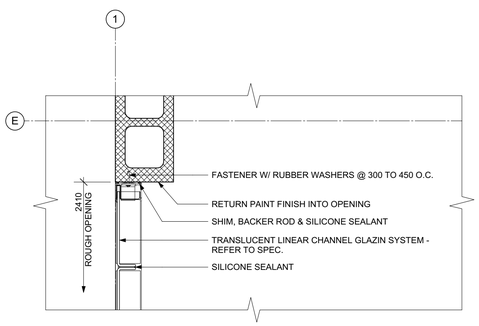


6 A6.1 BUILDING 1 - PLAN DETAIL
SCALE 1:10



7 A6.1 BUILDING 1 - PLAN DETAIL
SCALE 1:10



8 A6.1 BUILDING 1 - PLAN DETAIL
SCALE 1:10

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	JP	TC

Revision / Revision

A/B — Detail number / Sheet number — A Numéro de detail / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions lineairés en millimetres

Consultant's Name / Nom de l'expert-conseil: Engineering Solutions / Solutions d'ingénieur — Travis Cooke, Winnipeg, MB SAA #902

Parks Canada / Parcs Canada — Strategic Asset Management, Western and Northern Region / Gestion Stratégique des Biens, Région de l'Ouest et du Nord — MAR 27.19

Canada

Architect: | x | architecture inc. 120 Fort Street, Suite103 Winnipeg, Manitoba R3C 1C7 204 318 2010

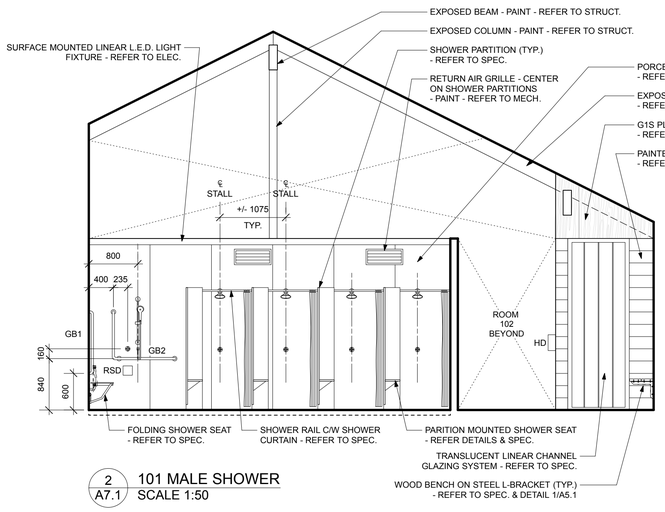
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE BEACH HOUSE BUILDING
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
PLAN DETAILS

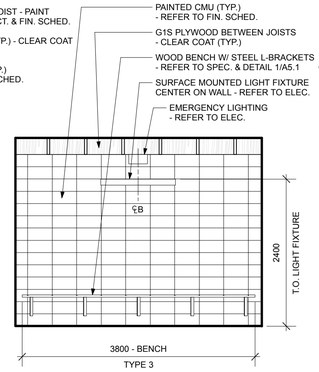
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuvé par — Date

Project No./N° du projet: 1644
Asset No./N° du bien
Drawing Set No./N° de série du dessin
Sheet No./N° de la feuille: A6.1



2 / A7.1 101 MALE SHOWER
SCALE 1:50



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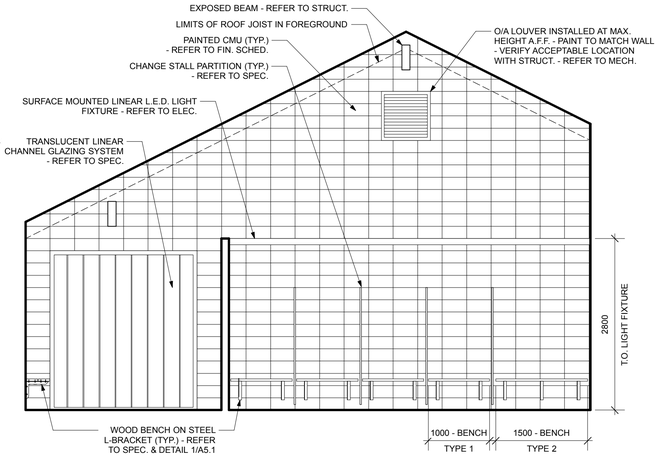
SCALE 1:50



4 / A7.1 101 MALE SHOWER
SCALE 1:50

LEGEND

℄B	ALIGN COMPONENT WITH CENTER OF BLOCK COURSE
℄T	ALIGN COMPONENT WITH CENTER OF TILE
℄MJ	ALIGN COMPONENT WITH MORTAR JOINT
BCS	BABY CHANGE STATION
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HD	HAND DRYER
HWT	HOT WATER TANK
RH	ROBE HOOK
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SND	SANITARY NAPKIN DISPOSAL - OWNER SUPPLY, CONTRACTOR INSTALL
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MR	MIRROR - STAINLESS STEEL
GB1	GRAB BAR - 1000 mm
GB2	L-SHAPED GRAB BAR - 1000 mm x 760 mm
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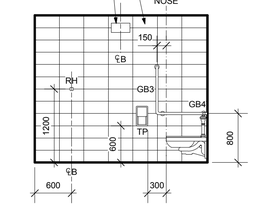
GB4	GRAB BAR - 600 mm
RSD	RECESSED SOAP DISH
SH	SHELF
BR	BACK REST
FIN. SCHED.	FINISH SCHEDULE
G1S	GOOD ONE SIDE



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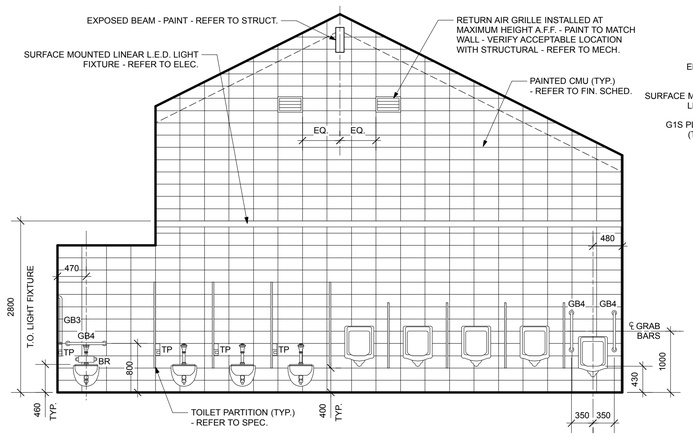
SCALE 1:50



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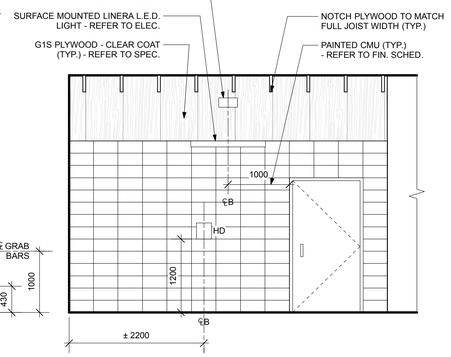
SCALE 1:50



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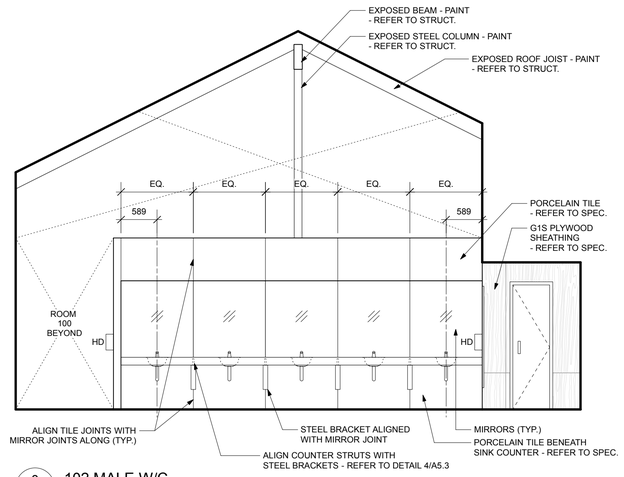

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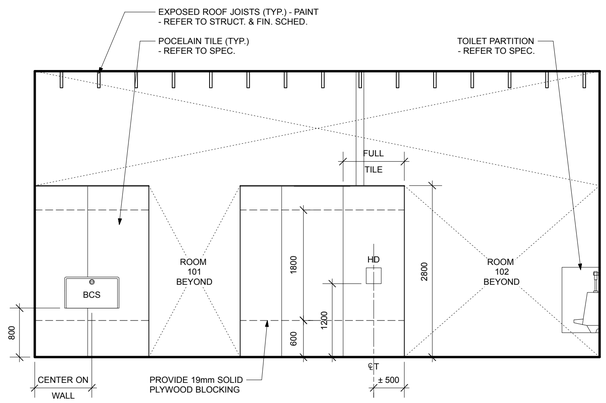

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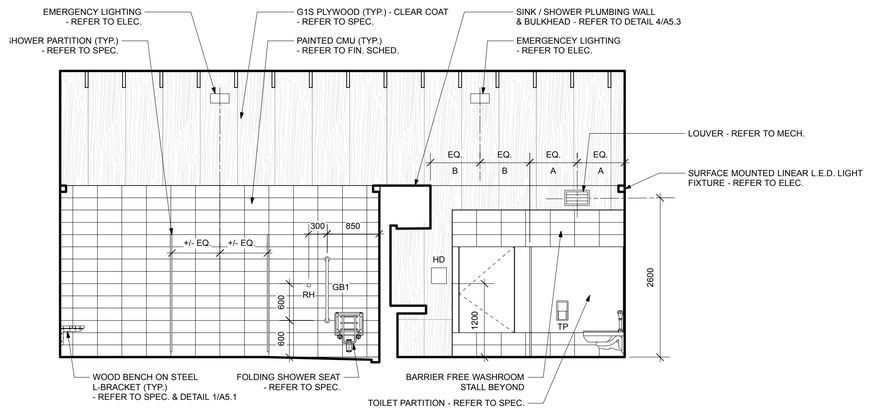
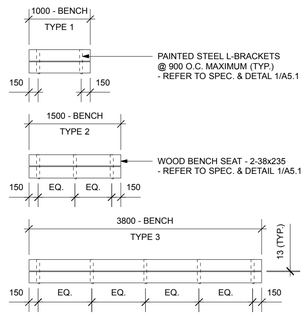


1 / A7.1 101 MALE SHOWER
SCALE 1:50



10 / A7.1 WOOD BENCH PLANS
SCALE 1:50

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	J.W.	T.C.

Revision / Revision

A / B — Detail number / Sheet number — A Numeró de detail / B Numeró de la feuille

Linear dimensions in millimetres / Dimensions lineairés en millimetrès

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

Ens Stamp: Travis Cooke, Winnipeg, MB SAA #992, Registered, Mar 27, 19

Parks Canada / Parcs Canada

Strategic Asset Management, Western and Northern Region / Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

Architect

| x | architecture inc.
120 Fort Street, Suite 103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
INTERIOR ELEVATIONS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revisé par**	**Scale/Echelle**
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date

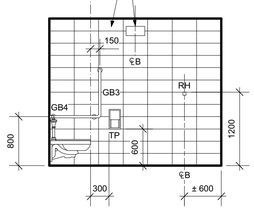
Approved by/Approuvé par — Date

Project No./Nº du projet: 1644

Asset No./Nº du bien

Drawing Set No./Nº de setie du dessin

Sheet No./Nº de la feuille: A7.1



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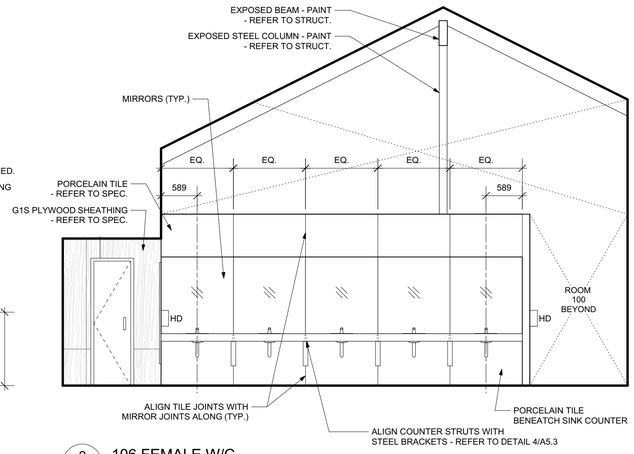
SCALE 1:50



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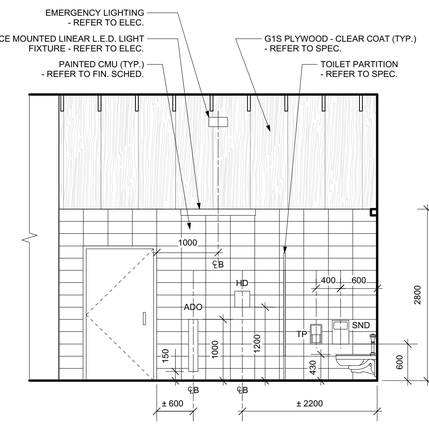
SCALE 1:50



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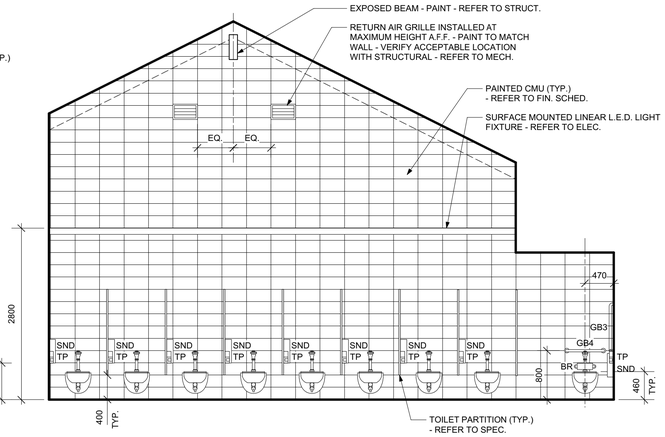
SCALE 1:50



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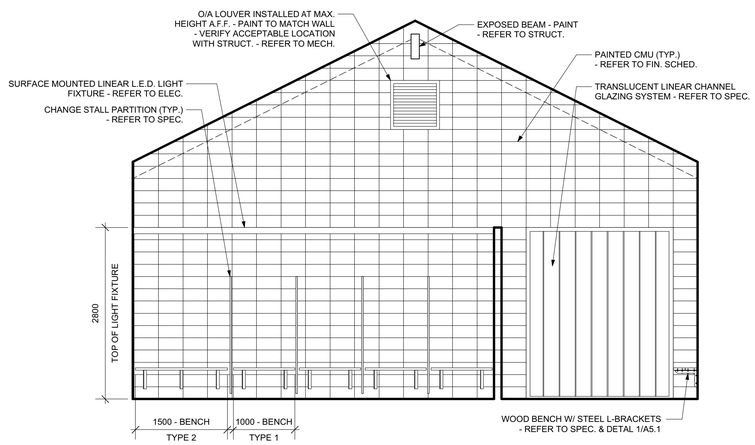
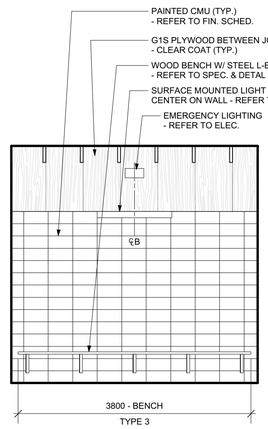
SCALE 1:50



6 A7.2 105 FEMALE SHOWER
SCALE 1:50



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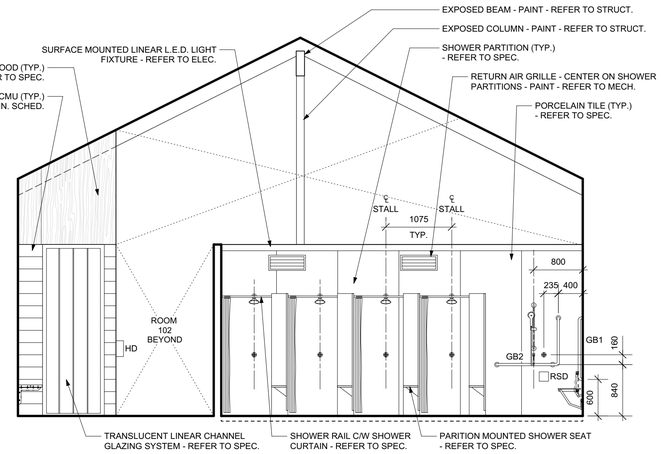

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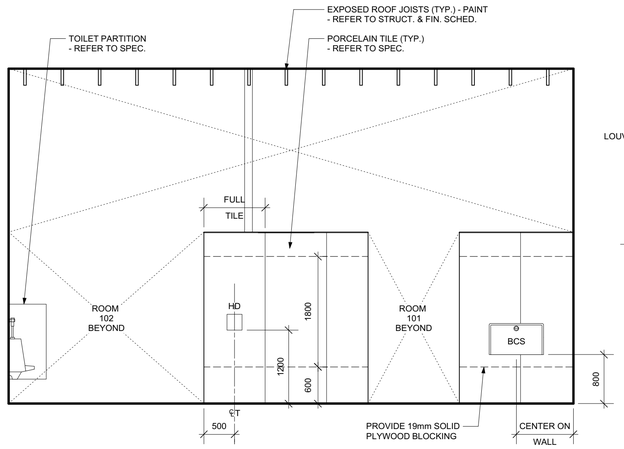

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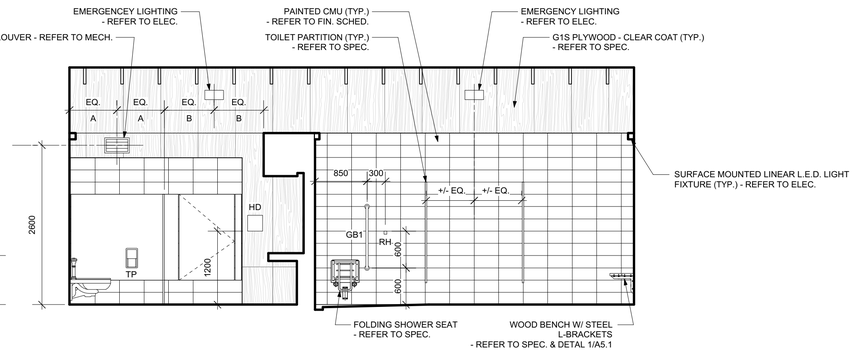

5 A7.2 105 FEMALE SHOWER & 106 FEMALE W/C
SCALE 1:50

LEGEND

℄B	ALIGN COMPONENT WITH CENTER OF BLOCK COURSE
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No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	J.W.	T.C.

Revision / Revision

A Detail number — A Numéro de detail
B Sheet number — B Numéro de la feuille

Linear dimensions in millimetres — Dimensions lineairés en millimetres

Consultant's Name
Nom de l'expert-conseil

Eng. Seal/Sceau d'ingénieur
ASSOCIATION OF ARCHITECTS
Travis Cooke
Winnipeg, MB SAA #992
Registered Professional Engineer

Parks Canada — Parcs Canada MAR. 27. 19

Strategic Asset Management, Western and Northern Region — Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

Architect

| x | architecture inc.
120 Fort Street, Suite103 Winnipeg, Manitoba R3C 1C7 204 318 2010

Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
INTERIOR ELEVATIONS

Surveyed by/Arpente par	Drawn by/Dessine par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revise par**	**Scale/Echelle**
TC	TC	AS NOTED

Client Acceptance/Acceptation du client — Date
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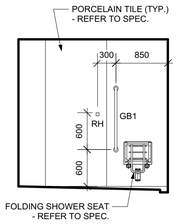
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
1644		A7.2

Drawing Set No./Nº de série du dessin



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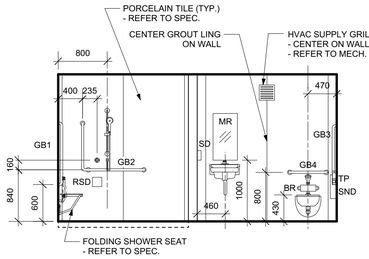
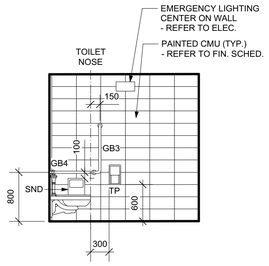
SCALE 1:50



2 A7.3 109 SHOWER & 108 UTR
SCALE 1:50



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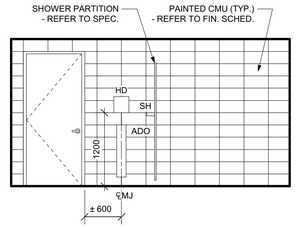
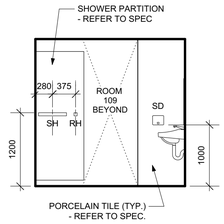
SCALE 1:50



4 A7.3 109 SHOWER & 108 UTR
SCALE 1:50



5 A7.3 108 UTR
SCALE 1:50

LEGEND

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Consultant's Name
Nom de l'expert-conseil

Ent. Sceau
Sceau de l'ingénieur.

Jarvis Cooke
Winnipeg, MB SAA #902

Parks Canada — Parcs Canada MAR 27.19

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Project title/Titre du projet

PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
INTERIOR ELEVATIONS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	JW	19 03 27
Designed by/Concept par	**Reviewed by/Revisé par**	**Scale/Échelle**
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Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
1644		A7.3

Drawing Set No./Nº de série du dessin

GENERAL NOTES

1. STRUCTURAL DESIGN BASED ON THE NATIONAL BUILDING CODE OF CANADA 2015 EDITION.
   A) IMPORTANCE CATEGORY: NORMAL
   B) WIND LOAD: q50 = 0.38 kPa
   C) GROUND SNOW LOAD: Ss = 1.9 kPa
   D) ASSOCIATED RAIN LOAD: Sr = 0.1 kPa
2. DO NOT SCALE DRAWINGS.
3. DO NOT BACKFILL UNTIL GROUND FLOOR STRUCTURE IS IN PLACE AND MAIN FLOOR SLABS HAVE BEEN POURED AND CURED.
4. ALL DIMENSIONS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
5. THESE STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE AND DO NOT INDICATE ALL COMPONENTS NECESSARY FOR SAFETY DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON AND AROUND THE JOBSITE DURING CONSTRUCTION.

FOUNDATIONS

1. A COPY OF THE GEOTECHNICAL REPORT COMMISSIONED BY THE OWNER IS AVAILABLE IN THE PROJECT SPECIFICATIONS
2. NOTWITHSTANDING THE INFORMATION PROVIDED IN THE GEOTECHNICAL REPORT THE FOUNDATION AND GENERAL CONTRACTORS SHALL SATISFY THEMSELVES AS TO THE PREVAILING CONDITIONS AT THE SITE AS NO EXTRAS SHALL BE GRANTED SHOULD CONDITIONS DIFFER FROM THOSE INDICATED.

CAST-IN-PLACE CONCRETE

I CONCRETE

1. ALL CONCRETE IS TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF CSA-A23.1-14 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION" AND CSA-A23.2-14 "METHOD OF TEST FOR CONCRETE".
2. PROVIDE CERTIFICATION THAT MIX PROPORTIONS SELECTED WILL PRODUCE CONCRETE OF QUALITY, YIELD AND STRENGTH AS SPECIFIED IN CONCRETE MIXES, AND WILL COMPLY WITH CSA-A23.1. CERTIFICATION LETTER TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.
3. PROVIDE CERTIFICATION THAT PLANT, EQUIPMENT, AND MATERIALS TO BE USED IN CONCRETE COMPLY WITH REQUIREMENTS OF CSA-A23.1. CERTIFICATION LETTER TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.
4. CONCRETE PROPERTIES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

EXTERIOR WALLS AND GRADE BEAMS:	25 MPa MIN. AT 28 DAYS CLASS OF EXPOSURE: F-2 ENTRAINED AIR/CATEGORY: 2 (4% TO 7%) AGGREGATE MAX. 20 mm CURING TYPE: TYPE 2 - ADDITIONAL
INTERIOR & EXTERIOR STRUCTURAL SLABS:	35 MPa MIN. AT 28 DAYS CLASS OF EXPOSURE: C-1 ENTRAINED AIR/CATEGORY: 1 (5% TO 8%) AGGREGATE MAX. 20 mm CURING TYPE: TYPE 2 - ADDITIONAL
EXTERIOR SLABS-ON-GRADE:	32 MPa MIN. AT 28 DAYS CLASS OF EXPOSURE: C-2 ENTRAINED AIR/CATEGORY: 1 (5% TO 8%) AGGREGATE MAX. 20 mm CURING TYPE: TYPE 2 - ADDITIONAL
MASONRY FILL:	20 MPa MIN. AT 28 DAYS CLASS OF EXPOSURE: F-2 ENTRAINED AIR/CATEGORY: 2 AIR CONTENT: 4% TO 7% AGGREGATE MAX. 14 mm SLUMP: 200 mm ± 40 mm

UNLESS INDICATED OTHERWISE THE CONTRACTOR SHALL SPECIFY CONCRETE SLUMP APPROPRIATE WITH PLACEMENT METHODS AND SITE CONDITIONS. THE CONTRACTOR SPECIFIED SLUMP MUST BE SHOWN ON THE CERTIFICATION LETTER AND CONCRETE DELIVERY TICKET.

5. UNLESS NOTED OTHERWISE CONCRETE CURING TO CONFORM TO THE LATEST EDITION OF CSA-A23.1-14 AS FOLLOWS:
   A) TYPE 1 - BASIC: 3 DAYS $\geq$ 10°C AND FOR A TIME NECESSARY TO ATTAIN 40% OF THE SPECIFIED STRENGTH.
   B) TYPE 2 - ADDITIONAL: 7 DAYS $\geq$ 10°C AND FOR A TIME NECESSARY TO ATTAIN 70% OF THE SPECIFIED STRENGTH.
   C) TYPE 3 - EXTENDED: 7 DAYS WET CURING $\geq$ 10°C.
6. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C260/C260M-10a "STANDARD SPECIFICATION FOR AIR ENTRAINING ADMIXTURES FOR CONCRETE". SUPERPLASTICIZING ADMIXTURES SHALL CONFORM TO ASTM C494/C494M "STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE" OR ASTM C1017/C1017M "STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR USE IN PRODUCING FLOWING CONCRETE" WHEN FLOWING CONCRETE IS APPLICABLE. AIR ENTRAINED ADMIXTURES TO HAVE A DURABILITY FACTOR GREATER THAN 75, WHEN TESTED TO ASTM STANDARDS C666/C666M PROCEDURE A. SPACING FACTOR FOR ANY AIR ENTRAINING ADMIXTURE MUST BE 0.17mm OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C457 "STANDARD TEST METHOD FOR MICROSCOPICAL DETERMINATION OF PARAMETERS OF THE AIR-VOID SYSTEM IN HARDENED CONCRETE".

II REINFORCING STEEL

1. ALL REINFORCING STEEL TO BE CSA-G30.18M-09 GRADE 400R DEFORMED BARS EXCEPT COLUMN TIES AND BEAM STIRRUPS WHICH SHALL BE GRADE 400W STEEL. ALL REINFORCING IS TO BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE REINFORCING STEEL INSTITUTE OF CANADA - MANUAL OF STANDARD PRACTICE, EXCEPT OTHERWISE NOTED.
2. WELDED STEEL WIRE MESH SHALL BE TO ASTM A185/A185M-07, 400 MPa YIELD, FLAT SHEETS ONLY.
3. REINFORCING STEEL COVER IS TO CONFORM TO CAN/CSA A23.3-14 "DESIGN OF CONCRETE STRUCTURES FOR BUILDINGS" AND AS FOLLOWS:

EXTERIOR WALLS: EXPOSURE CLASS: F-2	40 mm OUTSIDE FACE	20 mm INSIDE FACE.
INTERIOR AND EXTERIOR STRUCTURAL SLABS: EXPOSURE CLASS: C-1	40 mm TOP	40 mm BOTTOM
GRADE BEAMS: EXPOSURE CLASS: F-2	50 mm BOTTOM TO TIES	40mm SIDES AND TOP TO TIES.
EXTERIOR SLABS-ON-GRADE: EXPOSURE CLASS: C-2	40 mm TOP	40 mm BOTTOM

4. IN WALLS AND GRADE BEAMS, BEND ALL TOP AND INTERMEDIATE HORIZONTAL STEEL 600 mm AROUND CORNERS, OR USE EXTRA L BARS 1200 mm LONG. ALL OPENINGS IN WALLS TO HAVE 2-15M EACH SIDE AND 2-25M OVER, EXCEPT AS NOTED.
5. TOP STEEL IN BEAMS TO BE LAPPED AT CENTRE SPAN, BOTTOM STEEL TO BE BUTTED AT SUPPORT.
6. ALL REINFORCING TO BE HELD IN PLACE, AND TIED BY THE USE OF PROPER ACCESSORIES, SUCH AS HI-CHAIRS, SPACERS, ETC. TO BE SUPPLIED BY THE REINFORCING STEEL FABRICATOR. HI-CHAIRS TO HAVE 4 LEGS AND TO BE STAPLED OR NAILED TO THE FORMWORK.
7. ALL OPENINGS IN CAST-IN-PLACE CONCRETE FLATWORK TO BE TRIMMED WITH 2-15M ALL AROUND ON BOTH FACES, EXCEPT AS NOTED.
8. FOR ALL STRUCTURAL SLABS A MINIMUM OF 50% OF THE BOTTOM STEEL SHALL BE CONTINUED A MINIMUM DISTANCE OF 150 mm INTO ALL SUPPORTING WALLS AND BEAMS. IF KEYS ARE USED AT JOINTS BETWEEN SLABS AND WALLS OR BEAMS, BOTTOM DOWELS EQUAL TO BOTTOM REINFORCEMENT OR 10M AT 300 mm O/C SHALL BE PROVIDED WHICHEVER IS GREATER.
9. ALL MISCELLANEOUS CONCRETE PADS AND CURBS ARE TO BE REINFORCED WITH A MINIMUM OF 10M AT 400 mm O/C EACH WAY, UNLESS NOTED.
10. WHEN CONCRETE BEAMS ARE CAST INTO A WALL CHASE, DOWELS SIZE AND NUMBER SAME AS BEAM REINFORCING ARE TO BE PROVIDED FROM WALL, UNLESS OTHERWISE SHOWN ON PLAN.
11. PROVIDE MINIMUM 2-10M BOTTOM INTEGRITY BARS THROUGHOUT STRUCTURES IN ACCORDANCE WITH CSA A23.3-14, CLAUSE 13.10.6.

III FORMWORK

1. SHEARMAT OR APPROVED CARDBOARD VOIDFORM WITH A MIN. DEPTH OF 150 mm SHALL BE USED AS THE BOTTOM FORM FOR STRUCTURAL SLABS AT GRADE, GRADE BEAMS, AND WALLS IN CONTACT WITH SOIL. SELECT AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. ACCESSORIES SUCH AS HI-CHAIRS, SPACERS, ETC. SHALL BE SUPPORTED BY PADS OF PLYWOOD OR TEMPERED HARDBOARD TO PREVENT PUNCTURING THE VOIDFORM.
3. UNLESS NOTED OTHERWISE PROVIDE SLIP JOINT ALL PAVING OR CONCRETE SLABS ON GRADE AGAINST STRUCTURAL MEMBERS WITH 12 mm ASPHALT IMPREGNATED FIBREBOARD.
4. ALL CONSTRUCTION JOINT KEYS ARE TO BE A MINIMUM OF 40 mm DEEP.
5. ALL STRUCTURAL SLABS FRAMING INTO BASEMENT WALLS ARE TO HAVE A MINIMUM KEY OF 40 mm.
6. ALL CONCRETE BEAMS FRAMING INTO CONCRETE WALLS ARE TO BE SUPPORTED BY A CHASE OF MINIMUM 100 mm DEPTH AND THE HEIGHT AND WIDTH OF THE BEAM.
7. PLACE 10 MIL POLYETHYLENE UNDER ALL SLABS ON FILL AND OVER TOP OF VOIDFORM.
8. PROVIDE 150 mm WIDE, RIBBED, PVC WATERSTOPS IN ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN ALL EXTERIOR WALLS BELOW GRADE AND PIT WALLS.

STRUCTURAL STEEL

1. THE STRUCTURAL STEEL FABRICATOR'S ENGINEER SHALL BE RESPONSIBLE FOR LOCATING AND DESIGNING PROVISIONS FOR ALL TEMPORARY FALL PROTECTION SYSTEMS REQUIRED DURING CONSTRUCTION TO MEET SASKATCHEWAN WORKPLACE HEALTH AND SAFETY REGULATIONS.
2. STRUCTURAL STEEL TO CONFORM TO CSA-G40.21, "STRUCTURAL QUALITY STEELS" AND CSA-G40.20 "GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL".
3. ALL ROLLED OR STEEL STRUCTURAL SECTIONS SHALL BE G40.21-350W. ALL HOLLOW STRUCTURAL SECTIONS TO BE G40.21-350W CLASS C OR ASTM A500-C. ALL ANGLES, CHANNELS AND PLATES SHALL BE G40.21-300W.
4. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE PERFORMED IN ACCORDANCE WITH CSA S16-14, "DESIGN OF STEEL STRUCTURES".
5. ALL WELDING SHALL CONFORM TO THE LATEST EDITION OF CSA W59, "WELDED STEEL CONSTRUCTION". FABRICATORS SHALL BE PROPERLY CERTIFIED IN ACCORDANCE WITH CSA W47.1, "CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES".
6. ALL BOLTED CONNECTIONS TO USE A325 HIGH STRENGTH BOLTS. MINIMUM CONNECTION SHALL CONSIST OF 2 BOLTS.
7. ALL STRUCTURAL STEEL IS TO RECEIVE ONE COAT OF CISC/CPMA 1-73a QUICK DRYING SHOP PRIMER. STEEL TO BE CLEANED IN CONFORMANCE WITH SSPC-SP2. STEEL RECEIVING FINISH PAINTING TO HAVE ONE COAT OF CISC/CPMA 2-75 QUICK DRYING SHOP PRIMER. STEEL TO BE CLEANED IN CONFORMANCE WITH SSPC-SP7.
8. NO HOLES PERMITTED IN TOP FLANGE OF BEAMS AT COLUMNS WHERE BEAMS ARE CONTINUOUS OVER COLUMNS.
9. ALL BEAMS CONTINUOUS OVER COLUMNS ARE TO HAVE WEB STIFFENERS THE SAME SIZE AND ORIENTATION AS THE COLUMN BELOW, UNLESS OTHERWISE NOTED.
10. ANCHOR BOLTS TO BE ASTM A307 GRADE C OR ASTM F1554 GRADE 36, WELDABLE, PROVIDED BY STEEL SUPPLIER AND SET BY THE GENERAL CONTRACTOR. WHERE ASTM F1554 GRADE 55 ANCHOR BOLTS ARE USED, BOLTS TO BE WELDABLE GRADE STEEL.
11. FABRICATOR TO NOTIFY ENGINEER OF ANY PROPOSED MEMBER SUBSTITUTIONS AND CHANGED CONNECTION DETAILS.
12. THE STRUCTURAL STEEL SUPPLIER SHALL PROVIDE AND BE RESPONSIBLE FOR ALL HOLES IN STEEL SECTIONS REQUIRED BY OTHER TRADES. SECTION SHALL BE STRENGTHENED WHERE REQUIRED TO GUARANTEE THE ORIGINAL STRENGTH OF THE BEAM. ANY CUTTING OF STEEL AT THE JOB SITE SHALL BE DONE ONLY AS DIRECTED AND APPROVED BY THE ENGINEER.
13. THE STRUCTURAL STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND ERECTING ALL TEMPORARY GUYING AND BRACING OF THE STEEL FRAMING TO PROVIDE STABILITY FOR THE STRUCTURE AS A WHOLE. THESE SHALL REMAIN IN PLACE UNTIL ALL STEEL DECKING IS ERECTED, WELDED IN PLACE AND ALL MASONRY/CONCRETE WALLS CONSTRUCTED.
14. STRUCTURAL STEEL SUPPLIER IS TO SUBMIT ENGINEERING DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN COVERING THE DESIGN OF CONNECTIONS, TO THE PROJECT DESIGN ENGINEER FOR REVIEW PRIOR TO FABRICATION. CONNECTION DESIGN TO INCLUDE FOR ALL ADJUSTABLE CONNECTIONS REQUIRED TO SUITE FABRICATION AND ERECTION PROCEDURES AND TOLERANCES.
15. STRUCTURAL STEEL WHICH SUPPORTS ARCHITECTURAL FINISHES MUST BE DESIGNED TO BE SUFFICIENTLY ADJUSTABLE TO MEET REQUIRED INSTALLATION TOLERANCES. SEE ARCHITECTURAL FOR REQUIRED FINISH TOLERANCES.

MASONRY

1. CONCRETE BLOCKS TO CONFORM TO CSA-A165-14 SERIES "STANDARDS FOR CONCRETE MASONRY UNITS".
   A) STANDARD HOLLOW MASONRY UNITS SHALL BE H/15/A/M.
   B) STANDARD SOLID MASONRY UNITS SHALL BE SF/15/A/M.
   C) LIGHTWEIGHT HOLLOW MASONRY UNITS SHALL BE H/15/C/M.
   D) LIGHTWEIGHT SOLID MASONRY UNITS SHALL BE SF/15/C/M.
   (COMPRESSIVE STRENGTH IS BASED ON NET AREA).
2. EXTERIOR AND LOAD BEARING WALLS ARE TO BE BUILT WITH TYPE 'S' MORTAR HAVING A MINIMUM STRENGTH OF 12 MPa AT 28 DAYS. INTERIOR MASONRY NON-LOAD BEARING WALLS MAY BE BUILT WITH TYPE 'N' MORTAR HAVING A COMPRESSIVE STRENGTH OF 5 MPa AT 28 DAYS. MORTAR SHALL CONFORM TO CSA A179-14, "MORTAR AND GROUT FOR UNIT MASONRY".
3. USE DUR-O-WAL OR EQUAL EVERY SECOND COURSE. EVERY COURSE FOR STACK BOND.
4. THE TOP COURSE OF ALL BLOCK WALLS IS TO BE A 'U' BLOCK WITH 4-10M CONTINUOUS (2 TOP & 2 BOTTOM) AND FILLED WITH 20 MPa CONCRETE UNLESS NOTED ON PLAN.
5. ALL MASONRY WALLS TO BE PROPERLY BRACED UNTIL STRUCTURE IS CLOSED IN AND WALL PERMANENTLY SUPPORTED.
6. ALL BLOCK WALLS RECEIVING BEAMS TO HAVE 2 COURSES HIGH, 400 mm LONG FILLED WITH 20 MPa CONCRETE UNLESS NOTED ON DRAWINGS.
7. MASONRY TIES AND ANCHORS SHALL BE DESIGNED IN CONFORMANCE WITH CSA-A370-14, "CONNECTORS FOR MASONRY". DESIGN WIND PRESSURE FOR TIES IN EXTERIOR WALLS SHALL BE 1.2 kPa
8. DOOR LINTELS IN BLOCK WALLS SHALL BE AS FOLLOWS UNLESS NOTED ON DRAWINGS:

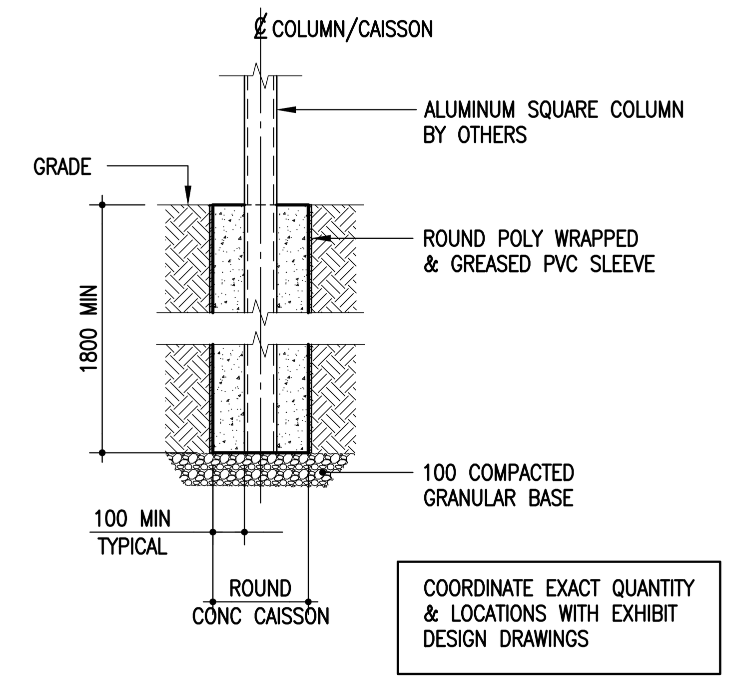
UP TO 1200 mm	200 mm HIGH 'U' BLOCK 20 MPa CONCRETE FILL 2-10M BOTTOM
1200 mm TO 2400 mm	400 mm HIGH 'U' BLOCK 20 MPa CONCRETE FILL 2-15M BOTTOM

WOOD

1. ALL LUMBER TO BE NO.1/NO.2 SPF. ALL WOOD TO BE KILN DRIED.
2. NAILING PATTERNS AND NAIL LENGTHS SHALL CONFORM TO TABLE 9.23.3.4. AND 9.23.3.5. OF THE NATIONAL BUILDING CODE RESIDENTIAL STANDARDS.
3. PLYWOOD SUB-FLOORING AND SHEATHING SHALL BE EXTERIOR DOUGLAS FIR PLYWOOD CONFORMING TO CSA 0121-08(R2013) "DOUGLAS FIR PLYWOOD" UNLESS OTHERWISE NOTED.
4. ALL WOOD TRUSSES ARE TO BE DESIGNED IN ACCORDANCE WITH:
   A) CSA 086-14 "ENGINEERING DESIGN IN WOOD".
   B) THE NATIONAL BUILDING CODE OF CANADA.
   C) THE MANITOBA BUILDING CODE AND FOR ANY ANTICIPATED SNOW BUILD-UP LOADS.
5. TRUSSES FRAMING INTO BEAMS OR OTHER TRUSSES SHALL BE CONNECTED WITH PROPER METAL FRAMING ACCESSORIES APPROVED BY THE PROJECT ENGINEER.
6. THE TRUSS SUPPLIER IS TO SUBMIT ENGINEERING DRAWINGS BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION. ENGINEERING SHOP DRAWINGS SHALL INCLUDE A LAYOUT PLAN SHOWING ALL TRUSSES, PERMANENT WEB AND CHORD BRACING REQUIRED BY TRUSS DESIGN, AND TEMPORARY BRACING. ALL MISCELLANEOUS METAL FRAMING CONNECTORS AND BRACING NOTED ABOVE SHALL BE SPECIFIED BY TRUSS SUPPLIER AND SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

   NOTE: TRUSS SUPPLIER SHALL INCLUDE IN CONTRACT PRICE ALLOWANCE FOR FINAL INSPECTION AND A LETTER SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN CERTIFYING THAT TRUSSES ARE CONSTRUCTED AND ERECTED AS PER TRUSS SUPPLIER'S DESIGN ASSUMPTIONS AND INSTALLATION REQUIREMENTS.

   NOTE: IN PREPARATION OF TRUSS DESIGNS, THE WEB ORIENTATIONS, LUMBER GRADE AND MEMBER SIZES EMPLOYED ARE TO MINIMIZE THE REQUIREMENT FOR WEB BRACING.
7. MICROLLAM LVL FLEXURAL MEMBERS TO BE 2.0E GRADE AS MANUFACTURED BY WEYERHAEUSER OR APPROVED ALTERNATE.



A S1.1 S1.1 TYPICAL EXHIBIT FOUNDATION DETAIL
1:20

CONCRETE SLAB SCHEDULE

MARK	DESCRIPTION	REINFORCING
S1	150 CONCRETE SLAB MINIMUM ON 150 CARDBOARD VOID FORM	15M @ 300 O/C BOTTOM LOWER LAYER 10M @ 400 O/C BOTTOM UPPER LAYER
S2	175 CONCRETE SLAB MINIMUM ON 150 CARDBOARD VOID FORM	R/W 15M @ 300 O/C BOTTOM LOWER LAYER 10M @ 400 O/C BOTTOM UPPER LAYER

PILE SCHEDULE

MARK	SERVICE LOADS	FACTORED LOADS
P1	95kN	125kN
P2	115kN	150kN
P3	160kN	215kN
P4	50kN	60kN

- ALL PILES TO BE HELICAL SCREW PILES DESIGNED BY THE PILE SUPPLIER FOR LOADS NOTED IN SCHEDULE

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NUMBER 47
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DISCIPLINE: STRUCTURAL — SASK. REG. No.: 31709 — SIGNATURE

PROFESSIONAL ENGINEER — SASKATCHEWAN
B. FLISAK
MEMBER 31709
MARCH 27/2019
YR. MN. DAY

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	2019-03-27	ISSUED FOR TENDER	ZBG	BF

Revision / Revision

A / B — Detail number / Sheet number — A Numéro de detail / B Numéro de la feuille

Linear dimensions in millimetres — Dimensions linéairés en millimetrés

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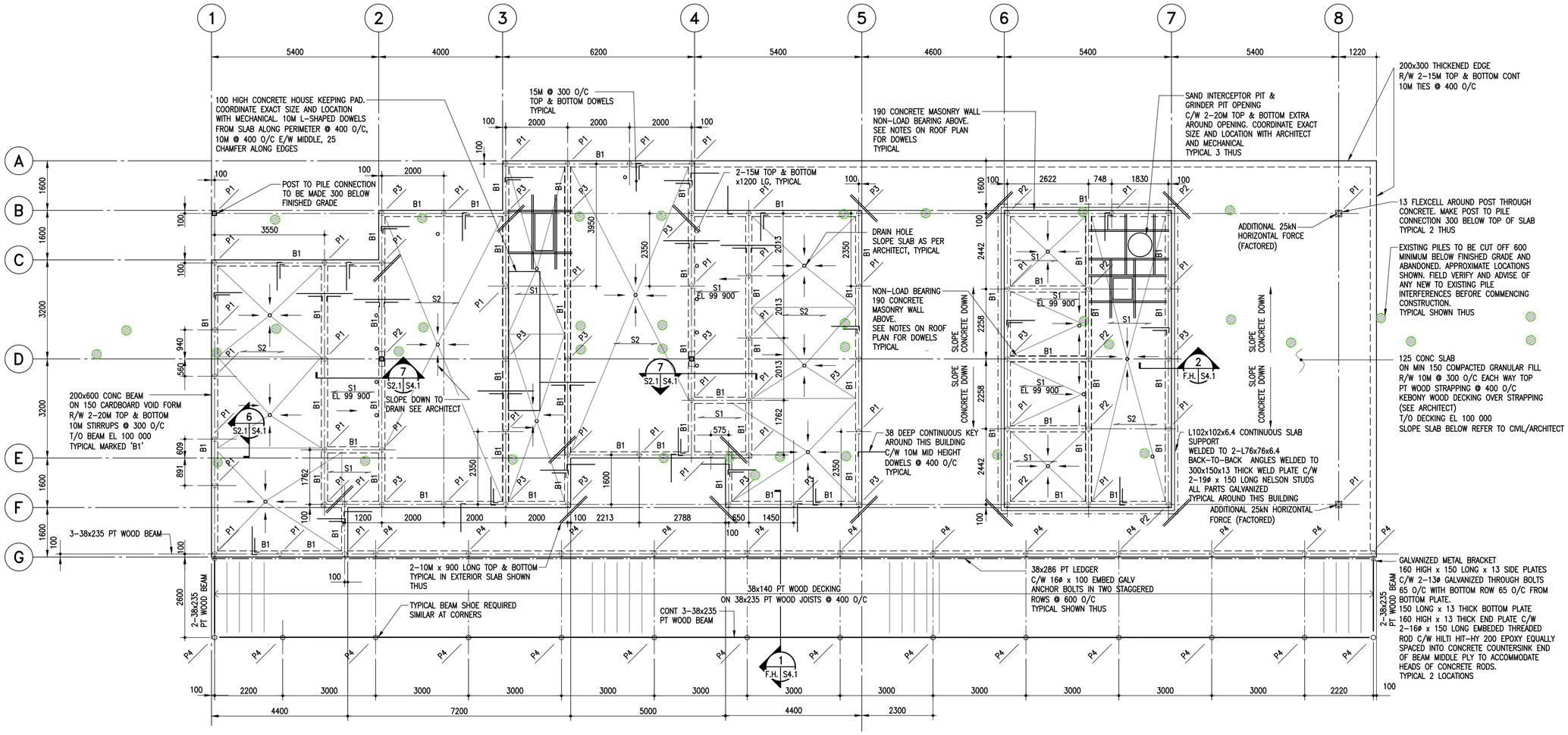
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
GENERAL NOTES
& SCHEDULES

Surveyed by/Arpente par	Drawn by/Dessine par ZBG	Date 2019-03-27
Designed by/Concept par BF	Reviewed by/Revise par BF	Scale/Echelle AS NOTED
Client Acceptance/Acceptation du client Date	Approved by/Approuve par Date	
Project No./N° du projet 1644	Asset No./N° du bien	Sheet No./N° de la feuille S1.1
Drawing Set No./N° de serie du dessin		



FOUNDATION / MAIN FLOOR FRAMING PLAN

1:75

BUILDING 1

- DESIGN LIVE LOAD = 4.8 kPa.
- REFER TO DRAWING S1.1 FOR GENERAL NOTES & SCHEDULES.

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Waskesiu, Saskatchewan

Drawing title/Titre du dessin

BUILDING 1
FOUNDATION / MAIN FLOOR
FRAMING PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	ZBG	2019-03-27
Designed by/Concept par	**Reviewed by/Revisé par**	**Scale/Echelle**
BF	BF	AS NOTED

Client Acceptance/Acceptation du client — Date

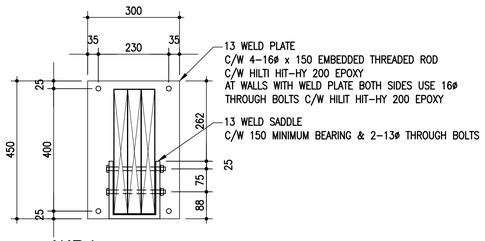
Approved by/Approuvé par — Date

Project No./N° du projet: 1644

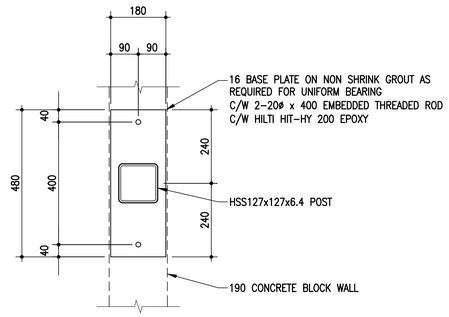
Asset No./N° du bien

Drawing Set No./N° de serie du dessin

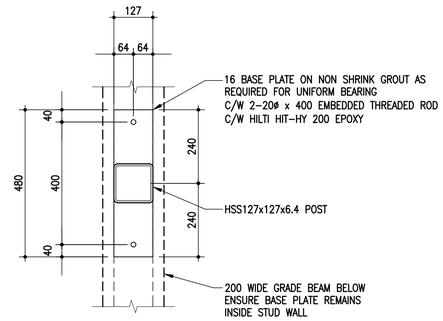
Sheet No./N° de la feuille: S2.1



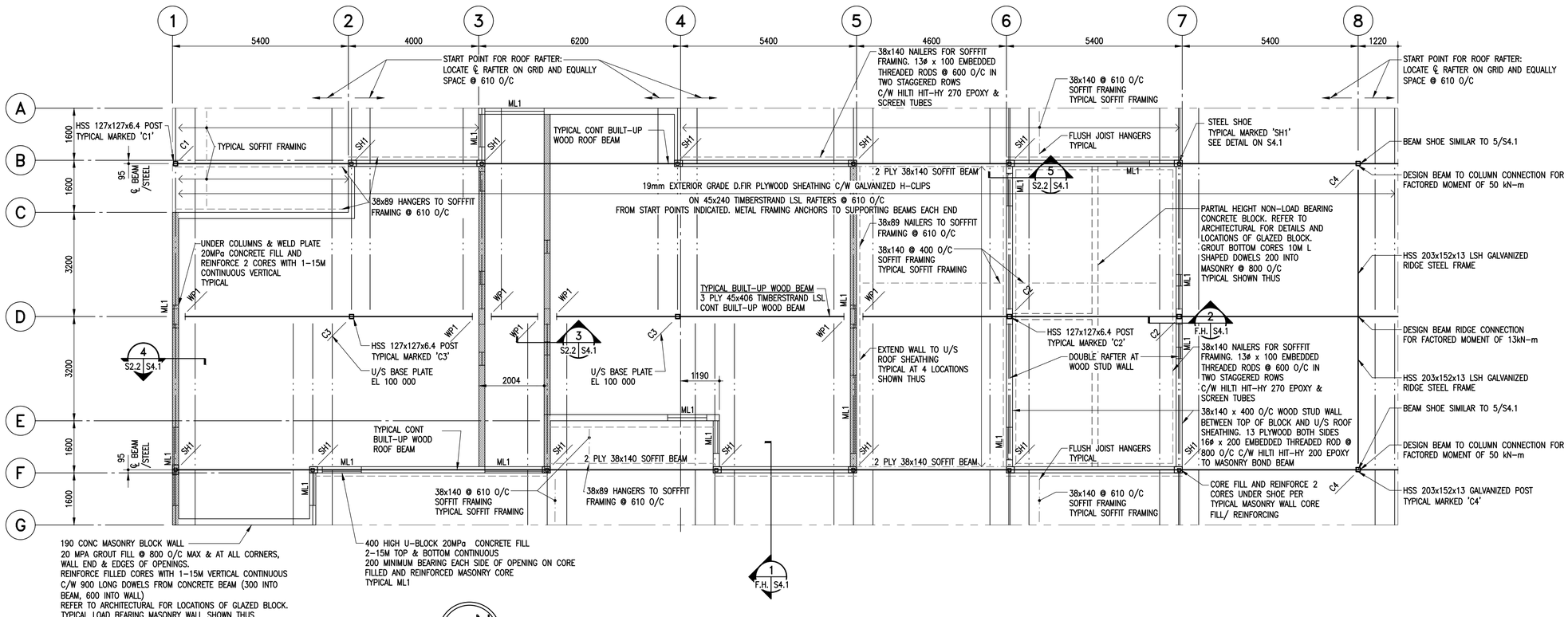
WP1
1 : 10



C2 BASE PLATE
1 : 10



C3 BASE PLATE
1 : 10



ROOF FRAMING PLAN
1:75 BUILDING 1

- DESIGN DEAD LOAD = 1.2 kPa.
- DESIGN LIVE LOAD (SNOW) = 1.62 kPa.
- REFER TO DRAWING S1.1 FOR GENERAL NOTES & SCHEDULES.

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Drawing title/Titre du dessin
BUILDING 1
ROOF FRAMING PLAN
& DETAILS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
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Sheet No./N° de la feuille: S2.2

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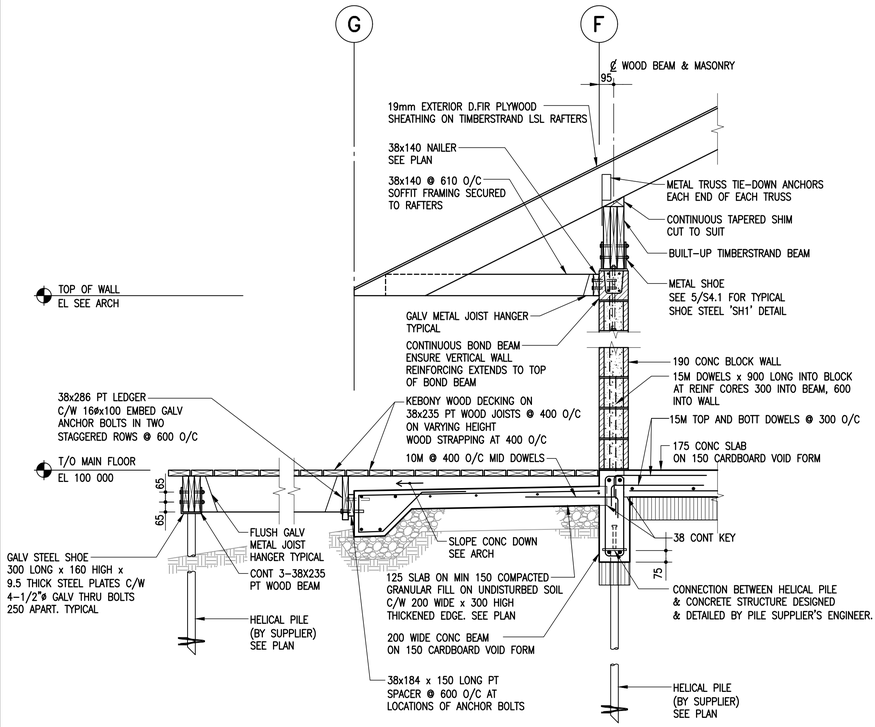
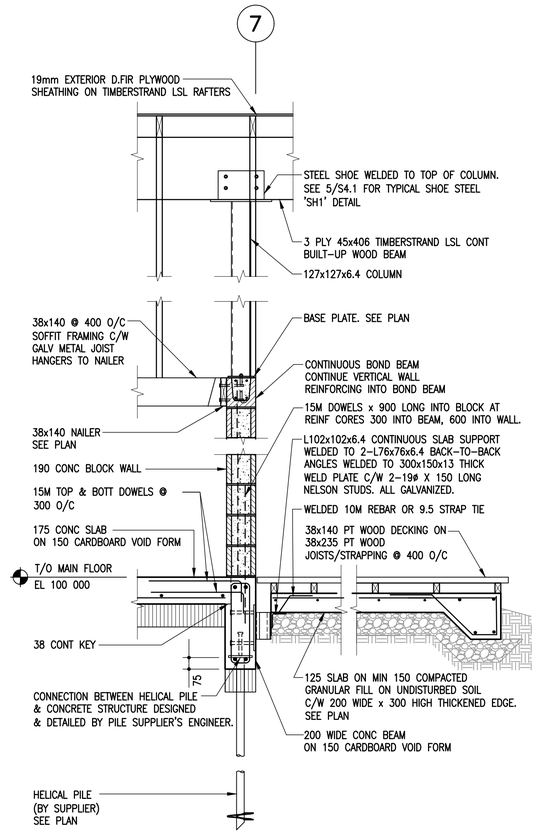
SASKATCHEWAN



1 SECTION
F.H. S4.1 1:20



2 SECTION
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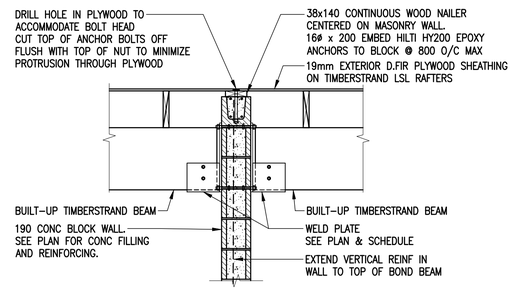
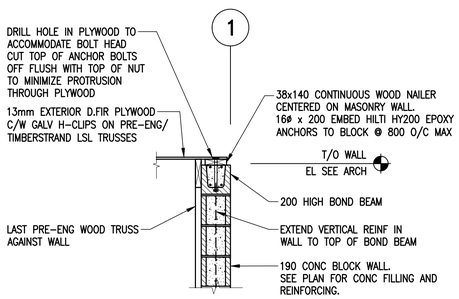
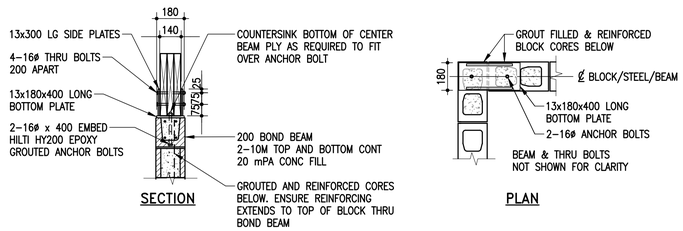


3 SECTION
S2.2 S4.1 1:20

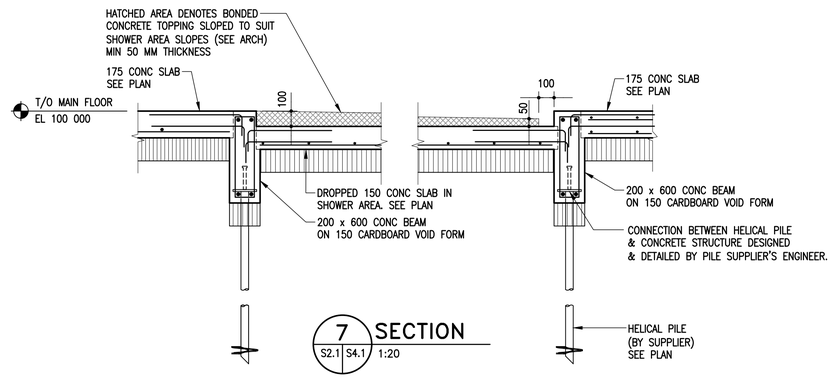


4 SECTION
S2.2 S4.1 1:20

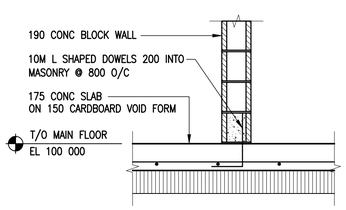
NOTE:
ALL EXTERIOR STEEL FRAMING COMPONENTS TO BE HOT DIPPED GALVANIZED



5 TYPICAL STEEL SHOE 'SH1 DETAIL'
S2.2 S4.1 1:20



7 SECTION
S2.1 S4.1 1:20



6 SECTION
S2.1 S4.1 1:20

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CERTIFICATE OF AUTHORIZATION
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NUMBER: 417
PERMISSION TO CONSULT FIELD BY:
DISCIPLINE: SASK. REG. No. SIGNATURE
STRUCTURAL 3179 CD

PROFESSIONAL ENGINEER
B. FLISAK
MEMBER 31709
MARCH 27/2019
YR. MN. DAY
SASKATCHEWAN

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	2019-03-27	ISSUED FOR TENDER	ZBG	BF

Revision / Revision

A/B Detail number / Sheet number — A Numéro de detail / B Numéro de la feuille

Linear dimensions in millimetres — Dimensions lineaires en millimetres

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Canada

Architect
| x | architecture inc.
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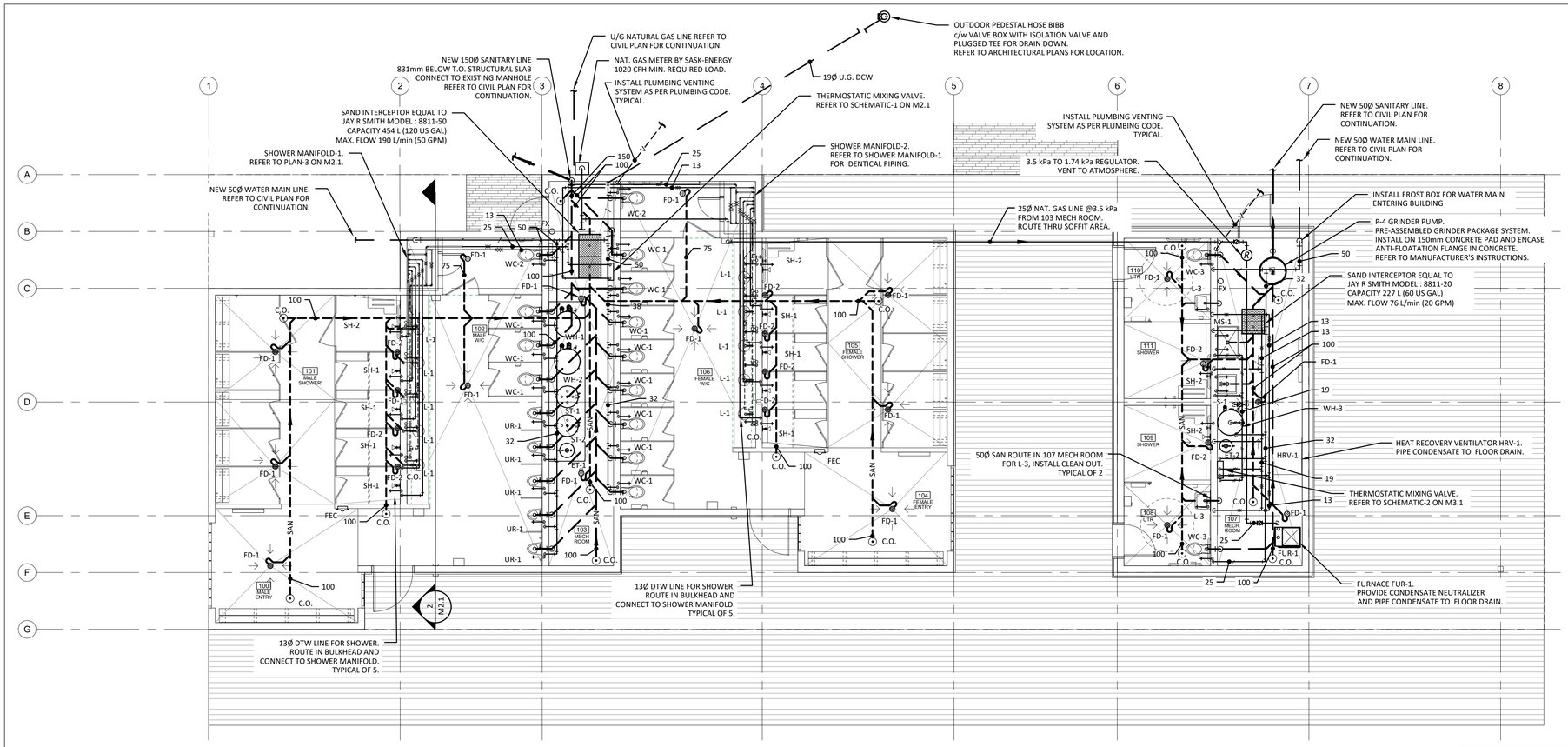
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
SECTIONS & DETAIL

Surveyed by/Arpente par	Drawn by/Dessine par	Date
	ZBG	2019-03-27
Designed by/Concept par	**Reviewed by/Revise par**	**Scale/Echelle**
BF	BF	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuve par — Date

Project No./N° du projet: 1644
Asset No./N° du bien
Drawing Set No./N° de série du dessin
Sheet No./N° de la feuille: S4.1



1 M1.1 BUILDING 1 PLUMBING PLAN
SCALE 1:75

NOTE:
1. SANITARY PIPING SERVING:
   - SHOWERS
   - LAVATORIES
   - FLOOR DRAINS
   - MOP SINKS
   - JANITOR SINKS
   TO TERMINATE AT A SAND INTERCEPTOR PIT.
2. BUILDING WILL BE WINTERIZED, ENSURE THAT PIPING IS INSTALLED IN A MANNER THAT WILL ELIMINATE WATER BEING TRAPPED IN PIPING.

LEGEND	
SYMBOL	DESCRIPTION
	PLUMBING
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER (DHWR)
XX	TEMPERED WATER SUPPLY (DTW)
XXX	TEMPERED WATER RECIRC. (DTWR)
SAN	SANITARY WASTE, ABOVE GROUND
SAN	SANITARY WASTE, BELOW GROUND
V	SANITARY VENT
CO CO	CLEAN OUT, EXPOSED/FLUSH TO FLOOR
HB/WH	HOSE BIBB / WALL HYDRANT
WC-1	PLUMBING FIXTURE - TYPE SHOWN
FD	FLOOR DRAIN
	VALVES & FITTINGS
	ELBOW UP, ELBOW DOWN
	STRAINER
	BALL VALVE
	CONTROL VALVE
	CIRCUIT BALANCING VALVE
	GAS COCK
	PRESSURE REDUCING VALVE
	THERMOMETER
	PRESSURE GAUGE
	DUCTWORK & CONTROLS
	RECTANGULAR SUPPLY DUCT
	RECTANGULAR RETURN or EXHAUST DUCT
12 x 6	DUCT FIRST DIMENSION IS SIDE SHOWN
	TURNING VANES
	DUCT WITH FLEXIBLE CONNECTION
	FLEXIBLE RUNOUT TO DIFFUSER
V	VOLUME DAMPER
F	FIRE DAMPER
T T	THERMOSTAT w/ PROTECTIVE GUARD
	FIRE PROTECTION
FEC	FIRE EXTINGUISHER CABINET
FX	FIRE EXTINGUISHER
	MISCELLANEOUS
G	NEW NATURAL GAS
P	NEW PROPANE GAS

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MECHANICAL	11610	

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	19 03 27	ISSUED FOR TENDER	B.G.	C.C.

Revision / Revision

A Detail number — A Numéro de détail
B Sheet number — B Numéro de la feuille

Linear dimensions in millimetres — Dimensions linéaires en millimètres

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MEMBER 11610
19/03/27
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Strategic Asset Management, Western and Northern Region
Gestion Stratégique des Biens, Région de l'Ouest et du Nord
Canada

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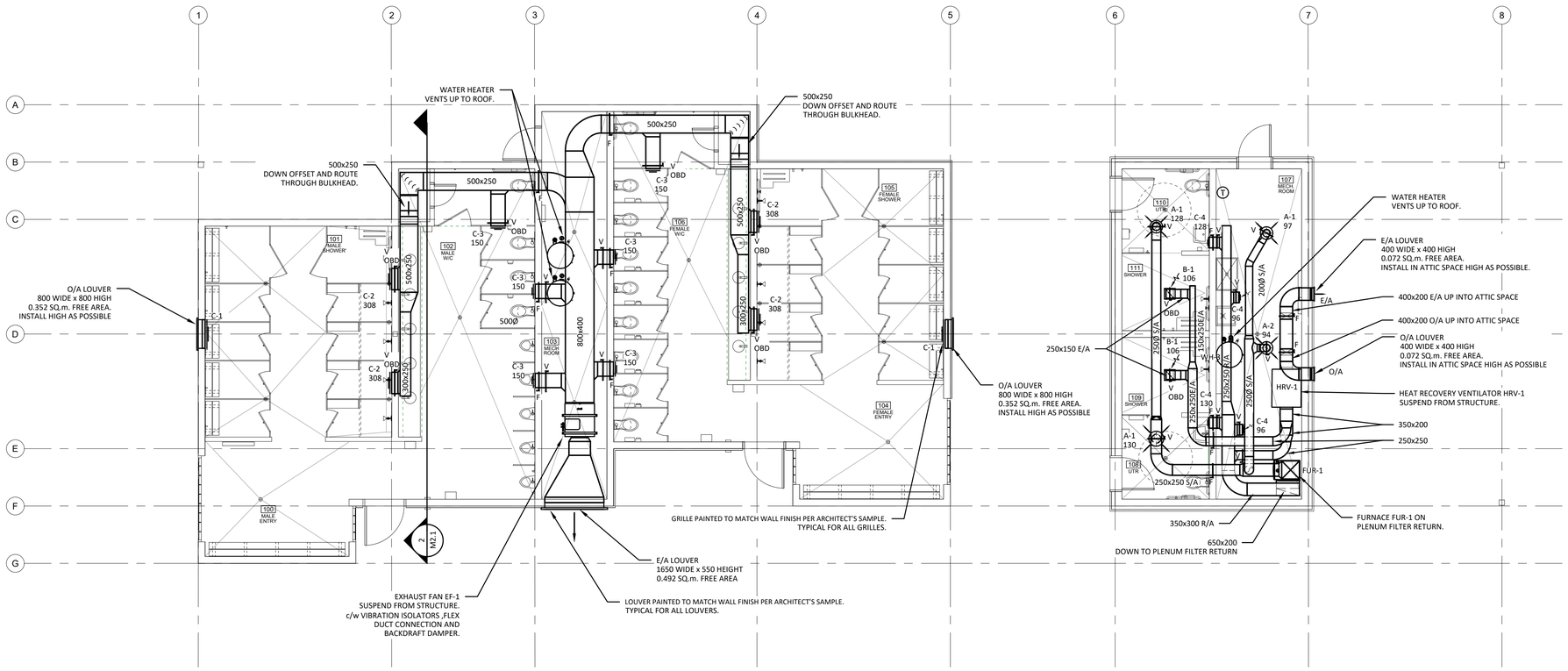
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
PLUMBING PLANS

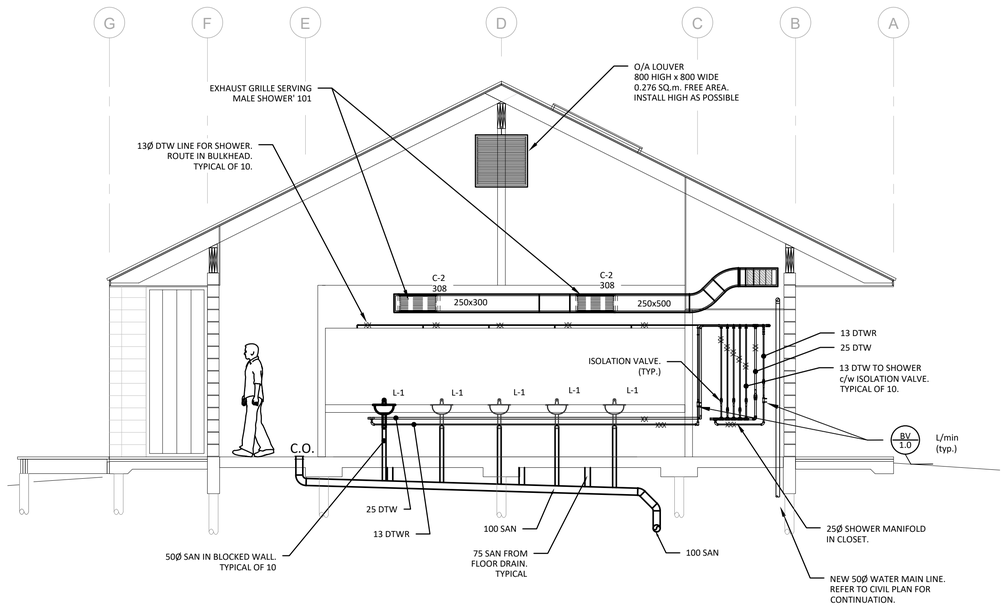
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	BG	19 03 27
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
BG/CC	CC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuvé par — Date

Project No./N° du projet: 1644
Asset No./N° du bien:
Drawing Set No./N° de série du dessin:
Sheet No./N° de la feuille: M1.1



1 / M2.1 BUILDING 1 VENTILATION PLAN
SCALE 1:75



2 / M2.1 BUILDING 1 MECHANICAL SECTION
SCALE 1:50

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MECHANICAL	11610	

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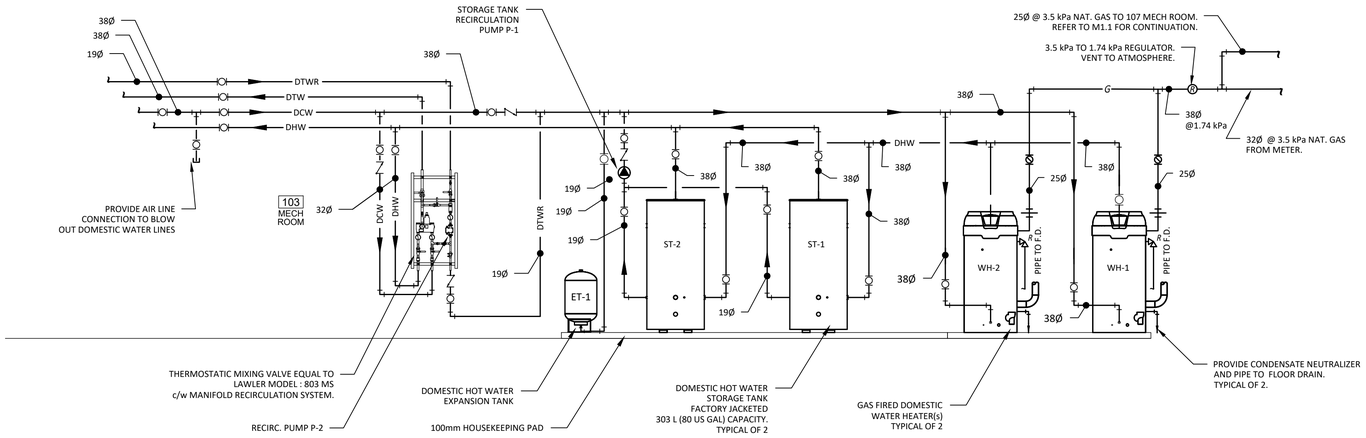
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
VENTILATION PLANS

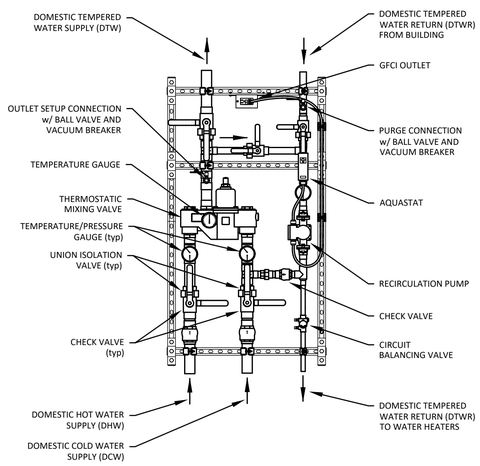
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	BG	19 03 27
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
BG/CC	CC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuvé par — Date

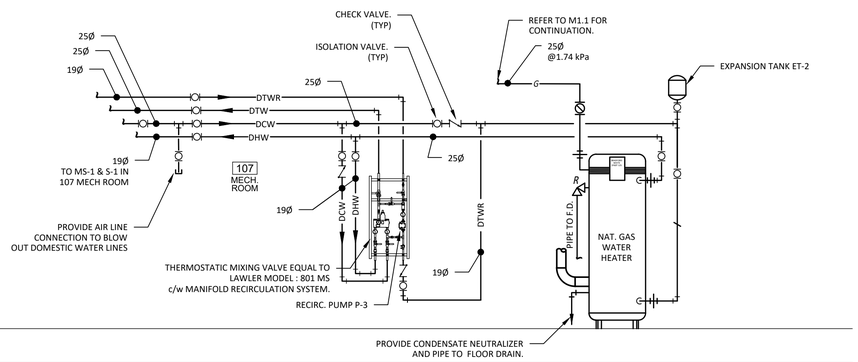
Projet No./Nº du projet: 1644
Asset No./Nº du bien:
Drawing Set No./Nº de serie du dessin
Sheet No./ Nº de la feuille: M2.1



1 / M3.1 MECH ROOM 103 - WATER HEATER & STORAGE TANK SCHEMATIC
SCALE N.T.S.



PLUMBING DETAILS
DOMESTIC TEMPERED WATER RECIRC SYSTEM | **PD-17**



2 / M3.1 MECH ROOM 107 - WATER HEATER & DHWR PUMP SCHEMATIC
SCALE N.T.S.

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PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
MECHANICAL
SCHEMATICS & DETAILS

Surveyed by/Arpente par ´	Drawn by/Dessine par´	Date
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Designed by/Concept par	Reviewed by/Revise par´	Scale/Echelle
BG/CC	CC	AS NOTED

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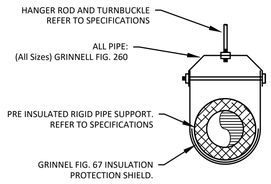
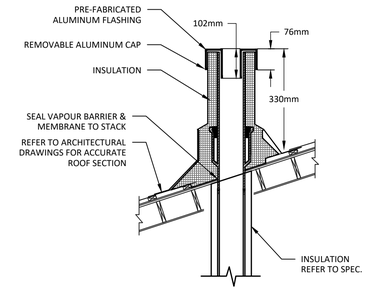
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
1644		M3.1

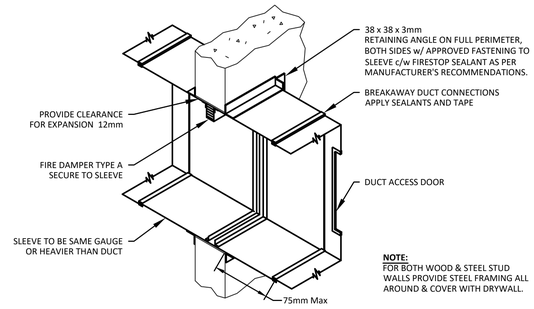
Drawing Set No./N º de serie du dessin



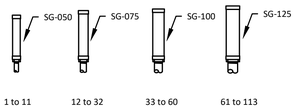
PLUMBING DETAILS
PIPE HANGER — **PD-22**



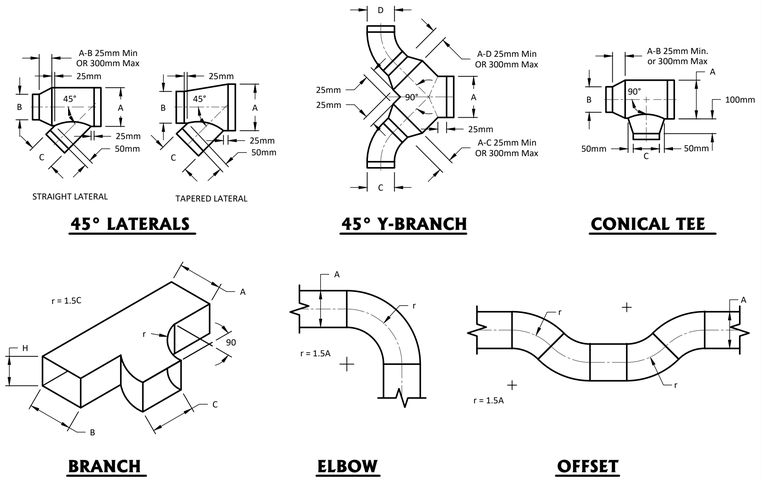
HVAC DETAILS
SLOPED ROOF VENT — **HD-51a**



HVAC DETAILS
FIRE DAMPER — **HD-06**



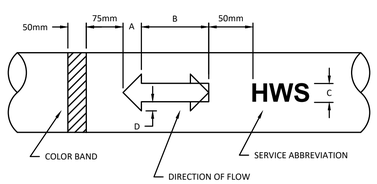
PLUMBING DETAILS
WATER HAMMER ARRESTOR DETAIL — **PD-05**



HVAC DETAILS
DUCT DETAILS - 1 — **HD-24**

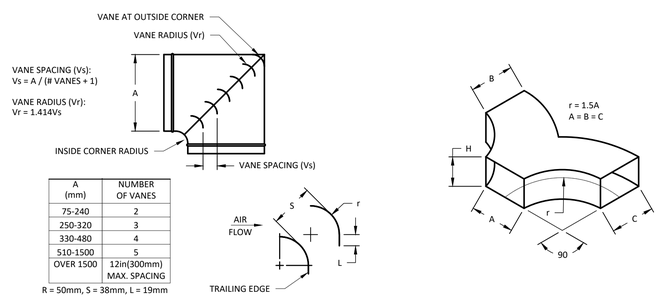
FIXTURE	AIR CUSHION FIXTURE UNITS	SERVICES			
		DCW	DHW	SAN	VENT
WC- (valve)	10	25	---	80	40
UR- (valve)	5	20	---	50	40
LAV- (public)	2	15	15	32	32
Shower (non-vented)	2	15	15	80	40
Janitor's Sink	2	15	15	40	40
Mop Sink	3	15	15	80	40

PLUMBING DETAILS
FIXTURE SERVICE SCHEDULE — **PD-07**



OUTSIDE DIAMETER OF PIPE (AND INSULATION)	A	B	C	D
13mm - 25mm	13mm	50mm	6mm	3mm
32mm - 50mm	25mm	75mm	13mm	6mm
63mm & Up	38mm	88mm	25mm	13mm

HVAC DETAILS
PIPE IDENTIFICATION — **HD-15**



A (mm)	NUMBER OF VANES
75-240	2
250-320	3
330-480	4
510-1500	5
OVER 1500	12in(300mm) MAX. SPACING

R = 50mm, S = 38mm, L = 19mm

ELBOW W/ VANES

Y-BRANCH

HVAC DETAILS
DUCT DETAILS - 2 — **HD-25**

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MECHANICAL	11610	

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Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
MECHANICAL DETAILS

Surveyed by/Arpente par	Drawn by/Dessine par	Date
	BG	19 03 27
Designed by/Concept par	Reviewed by/Revise par	Scale/Echelle
BG/CC	CC	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuve par — Date

Project No./N° du projet: 1644
Asset No./N° du bien
Drawing Set No./N° de serie du dessin
Sheet No./N° de la feuille: M3.2

WATER HEATER SCHEDULE - Metric/Imperial Units

WATER HEATER / STORAGE TANK No.	LOCATION	AREA SERVED	TANK CAPACITY Liter (Gal.)	RECOVERY @ 61 °C (140° F) LPH (GPH)	INPUT CAPACITY kW (MBH)	THERMAL EFFICIENCY %	SOURCE	VOLTAGE	MANUFACTURER AND MODEL
WH-1	MECH ROOM 103	Building - 1A	379 (100)	1,234 (326)	117 (400)	94.0	NAT. GAS	115V/60Hz/1-Phase	BRADFORD WHITE EF-100T-399E-3NA
ST-1	MECH ROOM 103	Building - 1A	303 (80)	N/A	N/A	N/A	N/A	N/A	BRADFORD WHITE M-3-ST80R5A
WH-2	MECH ROOM 103	Building - 1A	379 (100)	1,234 (326)	117 (400)	94.0	NAT. GAS	115V/60Hz/1-Phase	BRADFORD WHITE EF-100T-399E-3NA
ST-2	MECH ROOM 103	Building - 1A	303 (80)	N/A	N/A	N/A	N/A	N/A	BRADFORD WHITE M-3-ST80R5A
WH-3	MECH ROOM 107	Building - 1B	227 (60)	1,234 (326)	37 (125)	96.0	NAT. GAS	115V/60Hz/1-Phase	BRADFORD WHITE EF-60T-125E-3NA

1) Refer to Electrical Drawings and Specifications for motor electrical requirements, motor starters, etc.

PUMP SCHEDULE

ID	LOCATION	SYSTEM	TYPE	CONSTRUCTION	WORKING FLUID	FLOW L/min (GPM)	HEAD kPa (ft)	MOTOR kW (hp)	VOLTAGE / PHASE	RPM	CONTROL	MANUFACTURER AND MODEL
P-1	MECH ROOM 103	DHW STORAGE TANK RECIRC.	CIRCULATOR	BRONZE	WATER	6 (1.5)	30 (10.0)	0.030 (0.040)	110/1	3250	AQUASTAT, DDC	TACO IL008
P-2	MECH ROOM 103	DTW RECIRC.	CIRCULATOR	BRONZE	WATER	6 (1.5)	30 (10.0)	0.030 (0.040)	110/1	3250	AQUASTAT, DDC	TACO IL008
P-3	MECH ROOM 107	DTW RECIRC.	CIRCULATOR	BRONZE	WATER	6 (1.5)	30 (10.0)	0.030 (0.040)	110/1	3250	AQUASTAT, DDC	TACO IL008
P-4	MECH ROOM 107	SANITARY	GRINDER PUMP	CAST IRON	SEWAGE	38 (10.0)	290 (97.0)	1.492 (2.000)	208-230/1	3450	FLOAT	LIBERTY 2460LSG24-IP Series Omnivore

Notes:
1) Refer to Electrical Drawings and Specifications for motor electrical requirements, motor starters, etc.
2) P-4: Pre-Assembled Simplex Grinder Package c/w 24" X 48" fiberglass basin, Omnivore Grinder Pump, stainless steel guide rail piping, alarm, etc.....

EXPANSION TANK SCHEDULE - Metric/Imperial Units

EXPANSION TANK No.	LOCATION	SYSTEM	TANK DATA						MANUFACTURER AND MODEL
			TYPE	WORKING FLUID	VOLUME Liter (Gal.)	ACCEPT. VOLUME Liter (Gal.)	DIAMETER mm (in)	LENGTH mm (in)	
ET-1	MECH ROOM 103	Domestic Hot Water	Vertical Bladder	Potable Water	83 (22)	45 (12)	406 (16.00)	1,048 (41.25)	TACO PAX84-150
ET-2	MECH ROOM 107	Domestic Hot Water	Vertical Bladder	Potable Water	30 (8)	19 (5)	356 (14.00)	629 (24.75)	TACO PAX30-150

Fan Schedule - Imperial/Metric Units

Fan	Location	System	Desirn Air Flow cfm (l/s)	Ext. Static In W.C. (Pa)	FAN RPM	Motor Hp (Kw)	Electrical	Manufacture Model No.	Control
EF-1	MECH ROOM 103	Building 1A Exhaust	4,500 (2,124)	0.50 (125)	703	1.50 (1.119)	115v / 60Hz / 1 Ph	Cook DBX-15	TIMER

Notes:
1) Refer to Electrical Drawings and Specifications for motor electrical requirements, motor starters, etc.

FURNACE SCHEDULE

			AIRFLOW		HEATING					ELECTRICAL			
Tag	LOCATION	AREA SERVED	PEAK FLOWRATE L/s (cfm)	OUTSIDE AIR L/s (cfm)	INPUT CAPACITY kW (MBH)	OUTPUT CAPACITY kW (MBH)	EFFICIENCY % AFUE	E.A.T. DB °C (°F)	L.A.T. DB °C (°F)	SOURCE	Motor kW (hp)	VOLTAGE V/Hz/Phase	MANUFACTURER AND MODEL	Optional Accessories
FUR-1	MECH ROOM 107	BUILDING - 1B	448 (950)	212 (450)	26 (88)	25 (84)	96.0%	1.7 (35)	35.0 (95)	NAT. GAS MODULATING	0.37 (.50)	115/60/1	Lennox EL296UH090XV36B	Prog. Thermostat, RUUD Perfect Platform

NOTES
1 Refer to Electrical Drawings and Specifications for motor electrical requirements, motor starters, etc.

HRV - Imperial/Metric Units

Tag	Location	System	Supply			Exhaust			Electrical	Control	Manufacturer and Model No.
			Design Air Flow cfm (l/s)	Ext. Static In W.C. (Pa)	Motor Hp (Kw)	Design Air Flow cfm (l/s)	Ext. Static In W.C. (Pa)	Motor Hp (Kw)			
HRV-1	MECH ROOM 107	Furnace-1	450 (212)	0.60 (150)	0.46 (0.34)	450 (212)	0.60 (150)	0.46 (0.34)	230-60-1	LCD Electronic Multifunction Control (P/N 611227)	Aldes H650A-Fi-EC

Notes:
1) Refer to Electrical Drawings and Specifications for motor electrical requirements, motor starters, etc.
2) Defrost Control to be done by Fan Exhaust - Refer to Specifications
3) Refer to specifications for HRV Control method

Diffuser Schedule - Metric Units

Tag No.	Neck Size mm	Module Size mm	Description
A-1	250 Dia		E.H. Price Round Cone Supply Diffuser - ARCD Series
A-2	200 Dia		E.H. Price Round Cone Supply Diffuser -ARCD Series c/w face adjustable damper
B-1	250 x 250	300 x 300	E.H. Price Perforated Return Diffuser - PDR Series
C-1		800 x 800	E.H. Price HD Return Gym Grille - Series 99
C-2		600 x 250	E.H. Price HD Return Gym Grille - Series 99
C-3		400 x 250	E.H. Price HD Return Gym Grille - Series 99
C-4		300 x 250	E.H. Price HD Return Gym Grille - Series 99

Notes
1) All runouts to diffusers to be equal to diffuser neck module unless noted otherwise (U.N.O.)
2) **A-1** Tag No.
   100 Air Flow (l/s)
3) Grilles and Diffusers to be aluminum
4) (OBD) c/w opposed blade damper

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MECHANICAL | 11610

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0	19 03 27	ISSUED FOR TENDER	B.G.	C.C.

Revision / Revision

A Detail number / A Numeró de detail
B Sheet number / B Numeró de la feuille

Linear dimensions in millimetres / Dimensions lineairés en millimetrès

Consultant's Name / Nom de l'expert-conseil
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Parks Canada / Parcs Canada
Strategic Asset Management, Western and Northern Region
Gestion Stratégique des Biens, Région de l'Ouest et du Nord
Canada

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Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
MECHANICAL
SCHEDULES

Surveyed by/Arpente par ´	Drawn by/Dessine par´	Date
	BG	19 03 27
Designed by/Concept par	Reviewed by/Revise par	Scale/Echelle
BG/CC	CC	AS NOTED

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Project No./Nº du projet	Asset No./Nº du bien	Sheet No./ Nº de la feuille
1644		M4.1

Drawing Set No./N º de serie du dessin

NEW PANEL 'B' LOCATED IN BUILDING 1B
(120/240 V.–1ø–3W.)

Load	Bkr	Ckt	Ckt	Bkr	Load
SPARE		1	2		MECHANICAL RECEPT.
WASHROOM LIGHTNG		3	4		MECHANICAL RECEPT.
EXTERIOR LIGHTING		5	6		SHOWER CONTROL (TX)
EXTERIOR RECEPTACLES	20	7	8	20	FUR–1
SECURITY RECEPTACLE		9	10		P–3
HAND DRYER		11	12		WH–3
HAND DRYER		13	14		EXISTING SITE LIGHTING
HRV–1		15	16		EXISTING SITE LIGHTING
HRV–1		17	18		EXISTING SITE LIGHTING
SPARE		19	20		EXISTING SITE LIGHTING
SPARE		21	22		GRINDER PUMP P–4
SPARE		23	24	30	GRINDER PUMP P–4

S/N 60A BUS

3–#6 & #8 INSULATED GROUND IN 27mm CONDUIT

*EXISTING LIFT TO BE RECONNECTED TO NOW PANEL LOCATION. CONTRACTOR SHALL PROVIDE PULL BOX LOCATED IN BUILDING MECHANICAL ROOM AND EXTEND FEEDERS TO NEW PANEL LOCATION.

**RECONNECT FEEDS TO EXISTING POLE LIGHTING PREVIOUSLY FED FROM EXISTING WASHROOM TO NEW WASHROOM BUILDING. PROVIDE PULL BOX AND EXTEND WIRES AS REQUIRED.

NEW PANEL 'A' LOCATED IN BUILDING 1A
(120/240 V.–1ø–3W.)

Load	Bkr	Ckt	Ckt	Bkr	Load
EXTERIOR LIGHTING		1	2	20	EXISTING POLE LIGHTING**
MENS HAND DRYER	20	3	4		MENS FAUCETS
MENS WASHROOM		5	6	20	MENS HAND DRYER
MECHANICAL RECPT.		7	8		MENS SHOWER
MECHANICAL RECPT.		9	10	20	MENS HAND DRYER
SPARE		11	12		FAUCET SENSORS
WOMENS LIGHTING		13	14		WOMENS WASHROOM
DOOR ACCESS POWER OPERATOR		15	16	20	EXTERIOR RECPT.*
SHOWER CONTROL (TX)		17	18		WOMENS FAUCETS
*EXISTING LIFT		19	20		WOMENS SHOWER
*EXISTING LIFT	30	21	22		WOMENS HAND DRYER
SPARE		23	24		WH–1
SPARE		25	26		WH–2
PANEL 'B'		27	28		SPARE
PANEL 'B'	60	29	30		SPARE
MENS WASHROOM LIGHTING		31	32		WOMENS HAND DRYER
EXHAUST FAN EF–1		33	34		WOMENS HAND DRYER
SPARE		35	36		P–1
SPARE		37	38		P–2
SPARE		39	40		SPARE
SPARE		41	42		SPARE

S/N 100A BUS

3–#3 & #6 INSULATED GROUND IN 35mm CONDUIT

NEW BUILDING GROUND. SEE DRAWING E1.1 GENERAL NOTE 7

NEW ENCLOSED 100A 2 POLE BREAKER

RUN NEW FEEDERS UNDERGROUND IN PVC CONDUIT

NEW SPLITTER

3 EXISTING DIRECT BURIED FEEDERS

100A 2 POLE BREAKER

EXTERIOR UTILITY METER

LOCATED IN SITE UTILITY CABINET (EXISTING)

SYMBOL SCHEDULE

- SURFACE MOUNTED PANEL, REFER TO SPECIFICATIONS FOR DETAILS.
- DUPLEX GROUNDED RECEPTACLE MOUNTED UP 900mm. MOUNT 250mm ABOVE COUNTER AT COUNTER LOCATIONS.
- 20A T-SLOT DUPLEX RECEPTACLE
- WP — WEATHERPROOF EXTERIOR RECEPTACLE MOUNTED UP 900MM AFF (20A GFI).
- ELECTRICAL JUNCTION BOX. SUBSCRIPT 'HD' INDICATES OWNER PROVIDED HAND DRYER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
- TX — SHOWER CONTROL TRANSFORMER
- WALL MOUNTED LIGHT FIXTURE. REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS.
- RECESSED/SURFACE MOUNTED FIXTURE. REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS FOR DETAILS.
- S — LIGHT SWITCH MOUNTED UP 1200mm. 'OC' SUBSCRIPT DENOTES LOW VOLTAGE VACANCY SWITCH TO CONNECT TO VACANCY SENSORS (MANUAL ON). SENSOR SWITCH SPODM SERIES OR APPROVED EQUAL.
- OC — VACANCY SENSOR COMPLETE WITH HEAVY DUTY WIRE GUARD. VACANCY SENSOR TO CONTROL LIGHTING AND EXHAUST FANS. LIGHTS AND FANS TO REMAIN ON FOR 30 MINUTES. EQUAL UNITS MUST BE APPROVED FOR PARALLEL OPERATION. SENSOR SWITCH CM SERIES OR APPROVED EQUAL.
- CONDUIT STUB.
- M — MOTOR CONNECTION
- DISCONNECT SWITCH. 'WP' DENOTES WEATHERPROOF
- S_{TP} — THERMAL SWITCH DISCONNECT
- CCS — SECURITY CAMERA LOCATION.
- MS — MOTION SENSOR LOCATION.
- PC — PHOTOCELL LOCATION
- TC — TIMECLOCK
- DOOR OPERATOR PUSHBUTTON

FIXTURE SCHEDULE

FIXTURE TYPE 'AA' – 48" SURFACE MOUNTED, VANDAL PROOF, WATER RESISTANT LED FIXTURE, 5600 LUMEN, 48W. FASTEN SECURELY TO STRUCTURE WITH SIX 25mm LONG DECK SCREWS EQUALLY SPACED.
COOPER FPS-4 LD4 SERIES OR APPROVED EQUAL

FIXTURE TYPE 'AR' – 48" RECESSES, VANDAL PROOF, WATER RESISTANT LED FIXTURE. 3000K, 120V COMPLETE WITH CLEAR LENS, 5595 LUMEN, 53W.
COOPER FAIL-SAFE FMRLED SERIES OR APPROVED EQUAL

FIXTURE TYPE 'GS' – RECESSED LINEAR LED FIXTURE FOR USE IN EXTERIOR COVE. 120V, 3000K, 80CRI, 750 LUMENS/FT, 8.9W/FT, CLEAR POLYCARBONATE LENS. VANDAL RESISTANT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING LOCATIONS WITHIN ARCHITECTURAL ENCLOSURE.
LUMENWERX VIAWET LED SERIES OR APPROVED EQUAL

FIXTURE TYPE 'D' – EXTERIOR VANDAL RESISTANT LED SOFFIT LIGHT. 6IN DIAMETER, 1500LM, 120V, 3000K. CLEAR 0.25" POLYCARBONATE LENS.
FAIL-SAFE FLD6BXV-LED OR APPROVED EQUAL

FIXTURE TYPE 'FF' – 48" SUSPENDED STRIP LED COMPLETE WITH ROUND CLEAR LENS, 3000 LUMEN, 25 W. USE TWO S-HOOKS PER FIXTURE AND FIXTURE CHAIN.
COOPER LIGHTING METALUX 4SNLED SERIES OR APPROVED EQUAL

FIXTURE TYPE 'GG' – LINEAR LED FIXTURE SURFACE MOUNTED TO WALL FACE. 120V, 3000K, 80CRI, 750 LUMENS/FT, CLEAR LENS. LENGTH OF FIXTURE IS NOTED IN BRACKETS BESIDE FIXTURE TYPE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
LUMENWERX VIAWETW LED SERIES
BIRCHWOOD VANESSA LED OR APPROVED EQUAL

FIXTURE TYPE 'K' – KEYLESS SOCKET WALL MOUNT FIXTURE COMPLETE WITH SCREW-IN 120V, 8W LED LAMP AND WIRE GUARD.

FIXTURE TYPE 'EMA/EMB/EMC' – LED EMERGENCY BATTERY PACK. DIE CAST ALUMINUM,VANDAL RESISTANT, DAMP LOCATION RATED. 2 LAMP, HARD WIRED 120V WITH INTERNAL HEATER OPTION. POLYCARBONATE LENS.
BEGHELLI BRAVADO OR APPROVED EQUAL

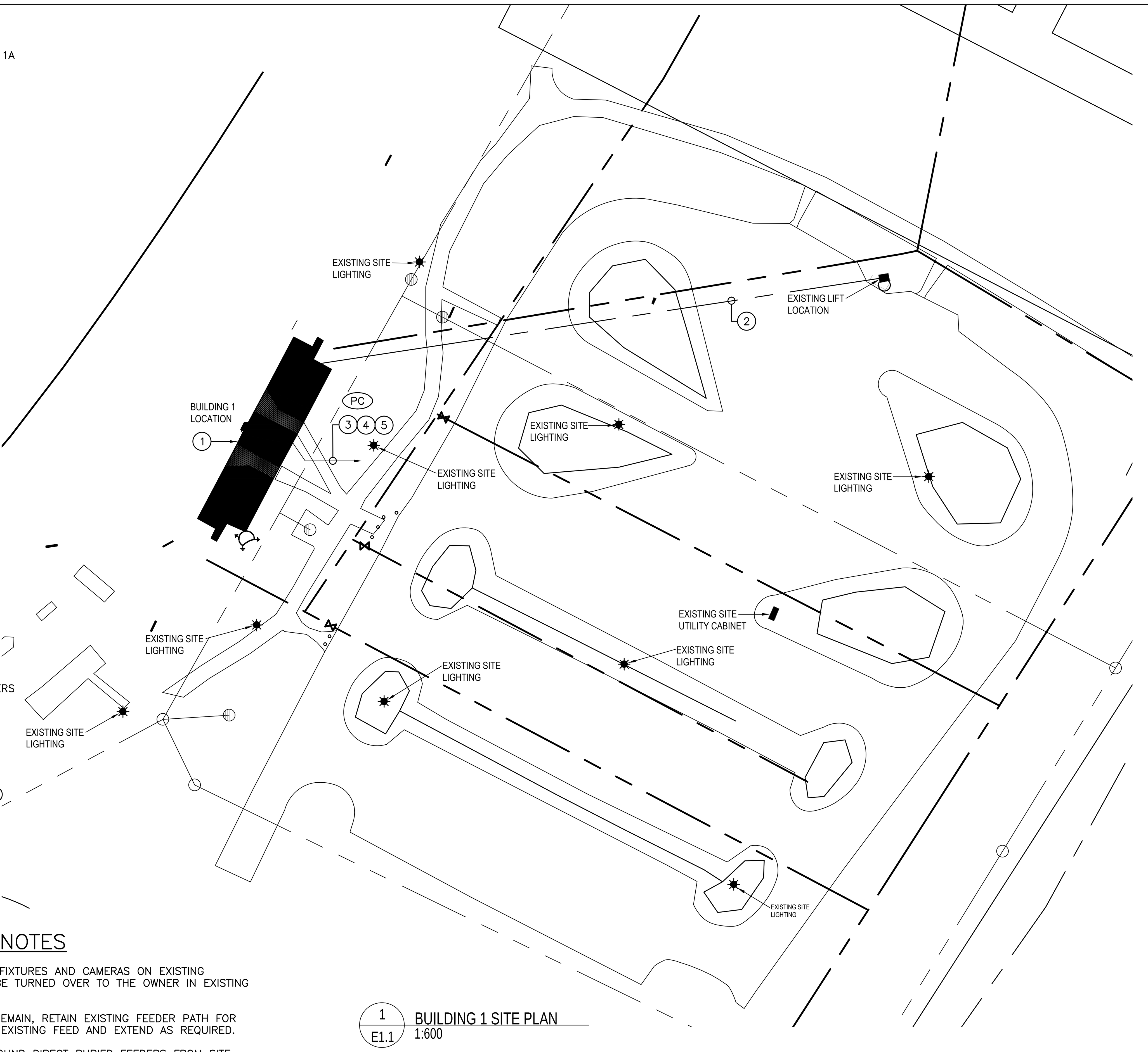
FIXTURE TYPE 'RA/RB/RC' – LED EMERGENCY REMOTE HEAD. DIE CAST ALUMINUM, VANDAL RESISTANT, DAMP LOCATION RATED WITH INTERNAL HEATER OPTION. TWO 5W LAMPS, HARD WIRED 120V. POLYCARBONATE LENS.
BEGHELLI BRAVADO OR APPROVED EQUAL

GENERAL NOTES

1. PROVIDE NEW PHOTOCELL ON EXISTING LAMP POST NEARBY BUILDING 1.
2. RE-FEED EXISTING SITE LIGHTING FROM NEW PANEL A.
3. REUSE EXISTING DIRECT BURIED CONDUCTOR FEEDS FOR BUILDING 1. INTERCEPT EXISTING FEED AND EXTEND AS REQUIRED. IF CONDUCTOR LENGTH IS SUFFICIENT, SPLITTER IS NOT REQUIRED.
4. EXISTING PHONE LINE TO BUILDING 1 TO BE RETAINED/RECONNECTED.
5. RE-FEED EXISTING LIFT FROM BUILDING 1.
6. CONTRACTOR SHALL CONFIRM WHETHER NEUTRAL IS BONDED TO GROUND AT MAIN SERVICE. CONTRACTOR SHALL BOND THE NEUTRAL IN LOCATIONS REQUIRED BY SASKPOWER INSPECTIONS.
7. PROVIDE NEW GROUND LOOP AT BUILDING 1. PROVIDE THREE 21X3045MM LONG COPPER GROUND RODS SPACED 3 METRES APART. PROVIDE GROUND BUS IN MECH/ELEC ROOM ADJACENT TO PANEL.
8. SURFACE CONDUIT ARE UNACCEPTACLE IN FINISHED AREAS UNLESS DESCRIBED OTHERWISE. ALL AREAS OF THE BUILDING SHALL BE CONSIDERED FINISHED EXCEPT MECHANICAL ROOMS.
9. ALL CONDUIT FITTINGS SHALL BE WATERTIGHT.

DEMOLITION NOTES

1. EXISTING LIGHTING FIXTURES AND CAMERAS ON EXISTING BUILDINGS SHALL BE TURNED OVER TO THE OWNER IN EXISTING CONDITION.
2. EXISTING LIFT TO REMAIN, RETAIN EXISTING FEEDER PATH FOR REUSE. INTERCEPT EXISTING FEED AND EXTEND AS REQUIRED.
3. EXISTING UNDERGROUND DIRECT BURIED FEEDERS FROM SITE CABINET TO BUILDING 1 TO REMAIN FOR REUSE.
4. EXISTING SASKTEL CONNECTION TO BUILDING 1 SHALL BE RETAINED AND RECONNECTED TO THE NEW BUILDING.
5. POWER TO EXISTING SITE LIGHTING AND KITCHEN BUILDING SHALL BE RETAINED.



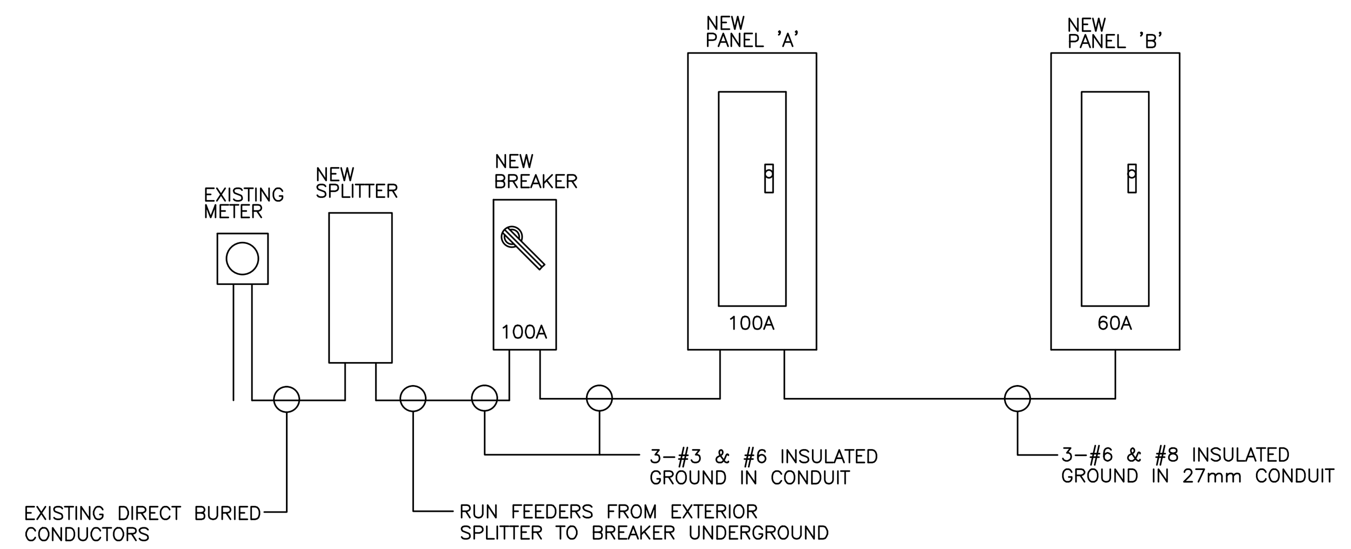
1 / E1.1 BUILDING 1 SITE PLAN 1:600

MOTOR EQUIPMENT SCHEDULE

Item	Description	K.W.	H.P.	Volt	ø	MOP	F.L.A	Starter:	Location	Bkr	Panel	Feeder	Notes
EF–1	EXHAUST	–	1.5	120	1	–	20	–	BUILDING 1A	15A	A	2 #12AWG & #12AWG GROUND IN 21MM CONDUIT	PROVIDE CONTROLS CONNECTIONS AS SHOWN ON E2.1 CONTROLLED VIA ASTRONOMICAL TIME CLOCK
FUR–1	NAT GAS FURNACE	0.37	1/2	120	1	20	7.7		BUILDING 1B	15A	B	2 #12AWG & #12AWG GROUND IN 21MM CONDUIT	THERMOSTAT CONNECTION
HRV–1	HEAT RECOVERY UNIT	0.34	0.45	240	1	15	–		BUILDING 1B	15A–2P	B	3 #12AWG & #12AWG GROUND IN 21MM CONDUIT	PROVIDE DISCONNECT. HRV TO BE INTERLINKED WITH WASHROOM LIGHTING CIRCUIT
P–1,2	RECIRCULATION PUMP	0.03	–	120	1	15	–		BUILDING 1A	15A	A	2 #12AWG & #12AWG GROUND IN 21MM CONDUIT	–
P–3	RECIRCULATION PUMP	0.03	–	120	1	15	–		BUILDING 1B	15A	B	2 #12AWG & #12AWG GROUND IN 21MM CONDUIT	–
P–4	GRINDER PUMP	–	2	240	1	–	15		BUILDING 1B	30A–2P	B	3 #10AWG & #12AWG GROUND IN 21MM CONDUIT	PROVIDE STARTER & WP DISCONNECT. CONFIRM EXACT LOCATION ON SITE.
WH–1,2	WATER HEATER	–	–	120	1	15	–		BUILDING 1A	15A	A	3 #12AWG & #12AWG GROUND IN 21MM CONDUIT	NATURAL GAS WATER HEATERS
WH–3	WATER HEATER	–	–	120	1	15	–		BUILDING 1A	15A	B	2 #12AWG & #12AWG GROUND IN 21MM CONDUIT	NATURAL GAS WATER HEATER

EQUIPMENT SCHEDULE GENERAL NOTES

1. CONDUCTOR/CONDUIT SIZES SHOWN ARE MINIMUM SIZES WHICH ARE BASED ON VOLTAGE DROP CALCULATIONS FOR THE EQUIPMENT LOCATION SHOWN.
2. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
3. PROVIDE LOCKABLE DISCONNECT NEXT TO EACH MOTOR PROVIDE STARTERS AS REQUIRED FOR CONTROLS.
4. OUTDOOR DISCONNECTS SHALL BE WEATHERPROOF.



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NOTES

1.

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
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Revision / Revision

Detail number / A Numero dé detail
Sheet number / B Numero dé la feuille
Linear dimensions in millimetres / Dimensions lineaires en millimetres

Consultant's Name / Nom de l'expert-conseil
Ritenburg & Associates Ltd.
Consulting Electrical Engineers

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MEMBER 11029
2019 04 08
SASKATCHEWAN

Parks Canada — Parcs Canada
Strategic Asset Management, Western and Northern Region — Gestion Stratégique des Biens, Région de l'Ouest et du Nord
Canada

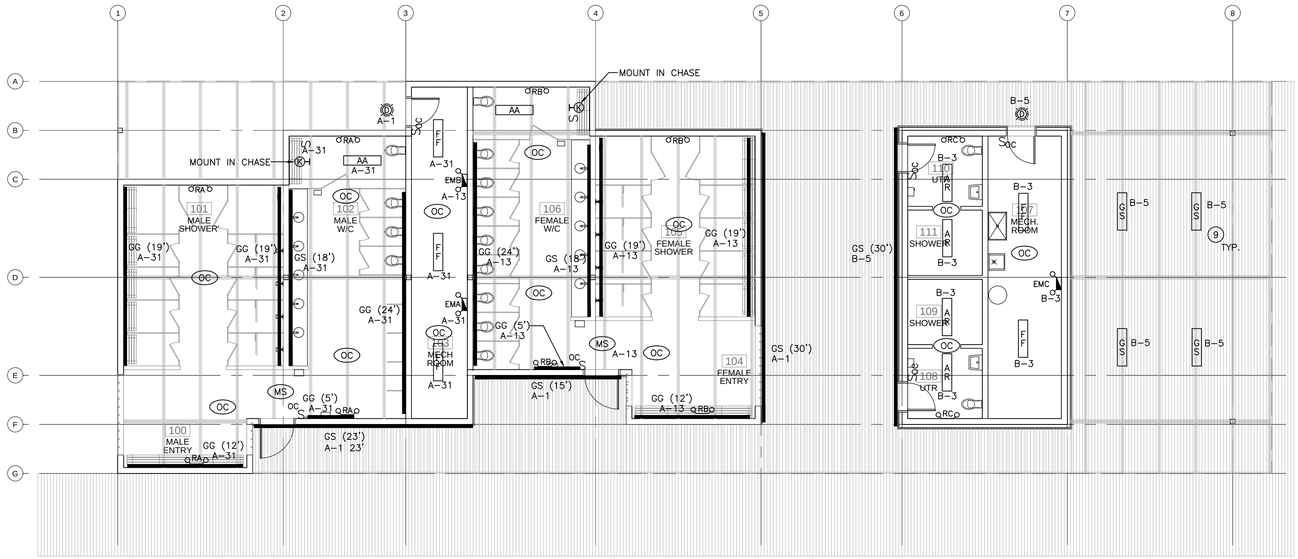
Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
ELECTRICAL SITE PLAN

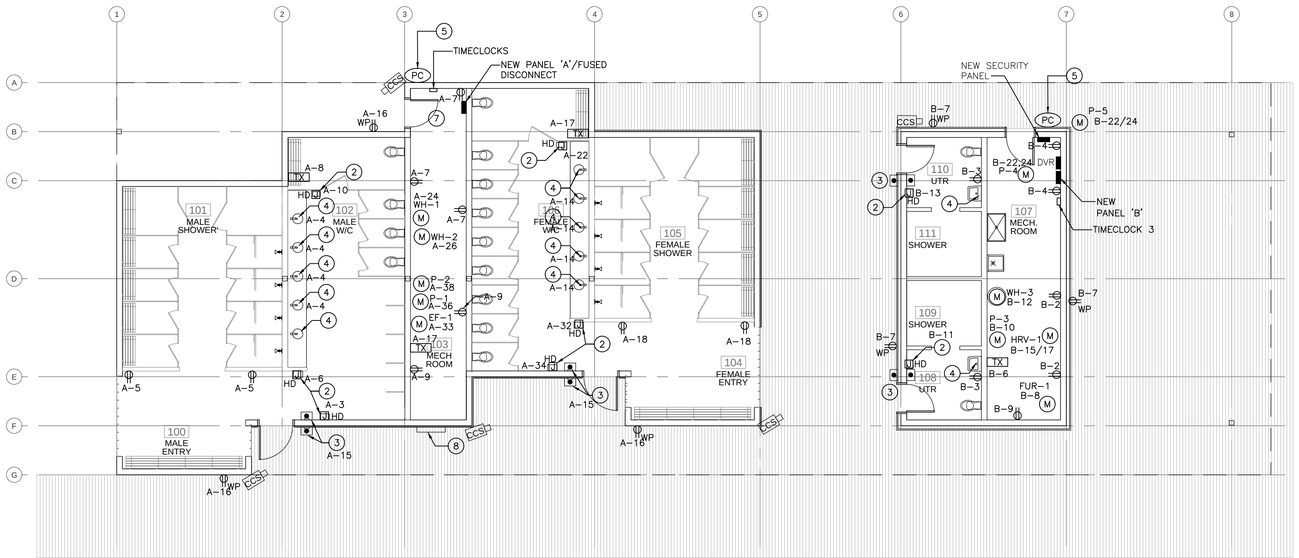
Surveyed by/Arpente par	Drawn by/Dessine par	Date
	MJS	2019-04-08
Designed by/Concept par	Reviewed by/Revise par	Scale/Echelle
	DCH	AS NOTED

Client Acceptance/Acceptation du client — Date
Approved by/Approuve par — Date

Project No./N° du projet: 1559
Asset No./N° du bien
Sheet No./N° de la feuille: E1.1
Drawing Set No./N° de serié du dessin



1 E2.1 BUILDING 1 LIGHTING PLAN
SCALE 1:100



2 E2.1 BUILDING 1 POWER PLAN
SCALE 1:100

DRAWING NOTES

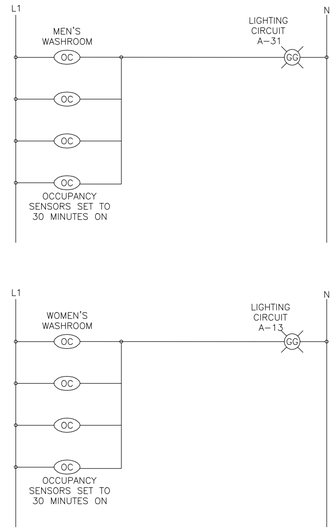
1. UNUSED.
2. HAND DRYER LOCATION.
3. PROVIDE POWER TO DOOR OPERATOR BUTTON.
4. PROVIDE POWER TO FAUCET.
5. APPROXIMATE PHOTOCELL LOCATION. CONFIRM LOCATION ON SITE.
6. APPROXIMATE MOTION SENSOR LOCATION.
7. LOCATION OF LIGHTING AND FAN CONTROLS.
8. NEW EXTERIOR SPLITTER. TIE EXISTING BUILDING FEED INTO NEW SPLITTER. RUN FEEDERS TO PANEL A UNDER THE BUILDING UTILIZING RWU WIRING IN PVC CONDUIT.
9. MOUNT FIXTURE ALONG JOISTS. PAINT CONDUIT TO MATCH JOISTS.

GENERAL NOTES

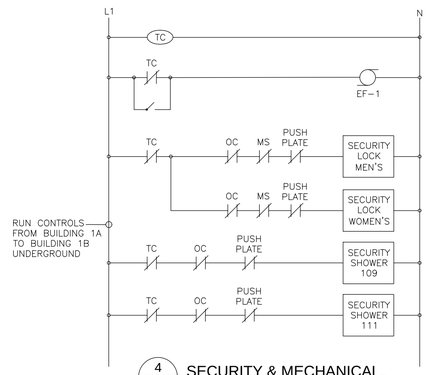
1. ALL RECEPTACLES SHALL BE GFI, TAMPER RESISTANT.
2. RUN CONDUITS IN CAVITY SPACE FOR ALL DEVICES NOT IN MECHANICAL ROOMS.
3. ALL WIRING ON CONCRETE BLOCK TO BE IN CONDUITS CONCEALED IN CONCRETE BLOCK.
4. WC LOCKS SHALL BE TIMER CONTROLLED AND AUTOMATICALLY LOCK AT A SET TIME. SEE SECURITY NOTES FOR DETAILS.

SECURITY NOTES

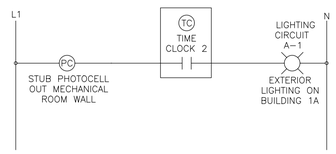
1. FINAL KEYING SHALL BE BY OWNER.
2. MECHANICAL ROOM DOORS SHALL HAVE MANUAL LOCKS.
3. WC/CHANGE ROOM DOOR LOCKS SHALL HAVE THE FOLLOWING FUNCTIONS:
   START OF THE DAY, DOOR UNLOCKS BY TIMER
   END OF THE DAY, DOOR LOCKS BY TIMER
   OCCUPANCY SENSOR, MOTION SENSOR & PUSHPLATE TO ALLOW EGRESS IF OCCUPIED AFTER HOURS.
   DOORS SHALL LOCK AND UNLOCK AT PROGRAMMED TIMES. PROVIDE POWER TO DOORS AS PER ARCHITECTURAL SPECIFICATION 08 71 00.
   WASHROOM DOORS SHALL BE UNLOCKED IF OCCUPANCY SENSOR OR MOTION SENSOR DETECTS A PERSON INSIDE THE BUILDING AT ANY TIME.
4. IF WC IS FOR SINGLE OCCUPANCY, PROVIDE A MANUAL DEADLOCK. IF MANUAL DEADLOCK IS ENGAGED, THE ACTUATORS ON THE POWER OPERATOR SHALL NOT FUNCTION.
5. PROVIDE EACH CAMERA LOCATION WITH A CONDUIT WITH PULLSTRING RUNNING TO THE NEAREST SECURITY PANEL LOCATION.
6. PROVIDE POWER TO DOORS AS DETAILED IN ARCHITECTURAL DOOR HARDWARE SPECIFICATION 08 71 00.

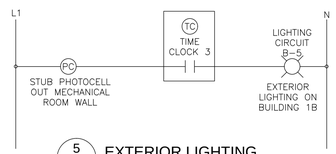


3 E2.1 OCCUPANCY SENSOR LIGHT AND FAN CONTROL SCHEMATIC



4 E2.1 SECURITY & MECHANICAL CONTROL SCHEMATIC





5 E2.1 EXTERIOR LIGHTING CONTROL SCHEMATIC

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Linear dimensions in millimetres — Dimensions lineaires en millimetres

Consultant's Name / Nom de l'expert-conseil: Ritenburg & Associates Ltd. Consulting Electrical Engineers

Eng. Stamp / Sceau de l'ingenieur: PROFESSIONAL ENGINEER D.C.HUNCHAK MEMBER 11029 2019 04 08 SASKATCHEWAN

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Canada

Project title/Titre du projet
PRINCE ALBERT NATIONAL PARK
WASKESIU LAKE
BEACH HOUSE REPLACEMENT
Waskesiu, Saskatchewan

Drawing title/Titre du dessin
BUILDING 1
LIGHTING & POWER PLANS

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	MJS	2019-04-08
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
	DCH	AS NOTED

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Sheet No./N° de la feuille: E2.1