

DRAWING LIST

ARCHITECTURAL

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ELECTRICAL

- E1 OVERALL SITE PLAN
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OVERALL SITE PLAN 1
SCALE: NTS A1

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DRAWING NO.	DRAWING NAME						
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2	09/25/18	ISSUED FOR TENDER	C.M.E.	BBA			
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			Dessine par	Approuve			

REVISIONS

A	A Detail number	A Numero de detail					
B	B Sheet number	B Sur feuille numero					

Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

Project title / Titre du projet

FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin

OVERALL SITE PLAN AND DRAWING LIST

Plot Scale / Echelle
NOT TO SCALE

Drawn by / Dessine par	Date
C.M.E.	03/10/18

Field Recording by / Releve-Termin par	Date
C.M.E./B.K.	03/01/18

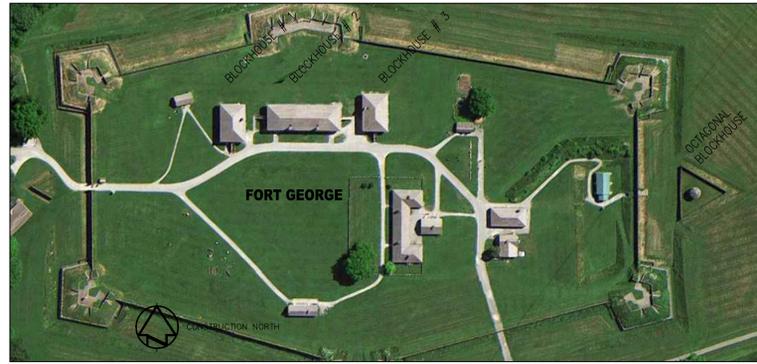
Approved by / Approuve par	Date
CE	07/11/18

Checked by / Verifie par	Date
CE	07/11/18

Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
PRO001504	1201179, 1202266, 1202267, 1202270	A1
Drawing Re No./No. du Dessin		??

GENERAL NOTES

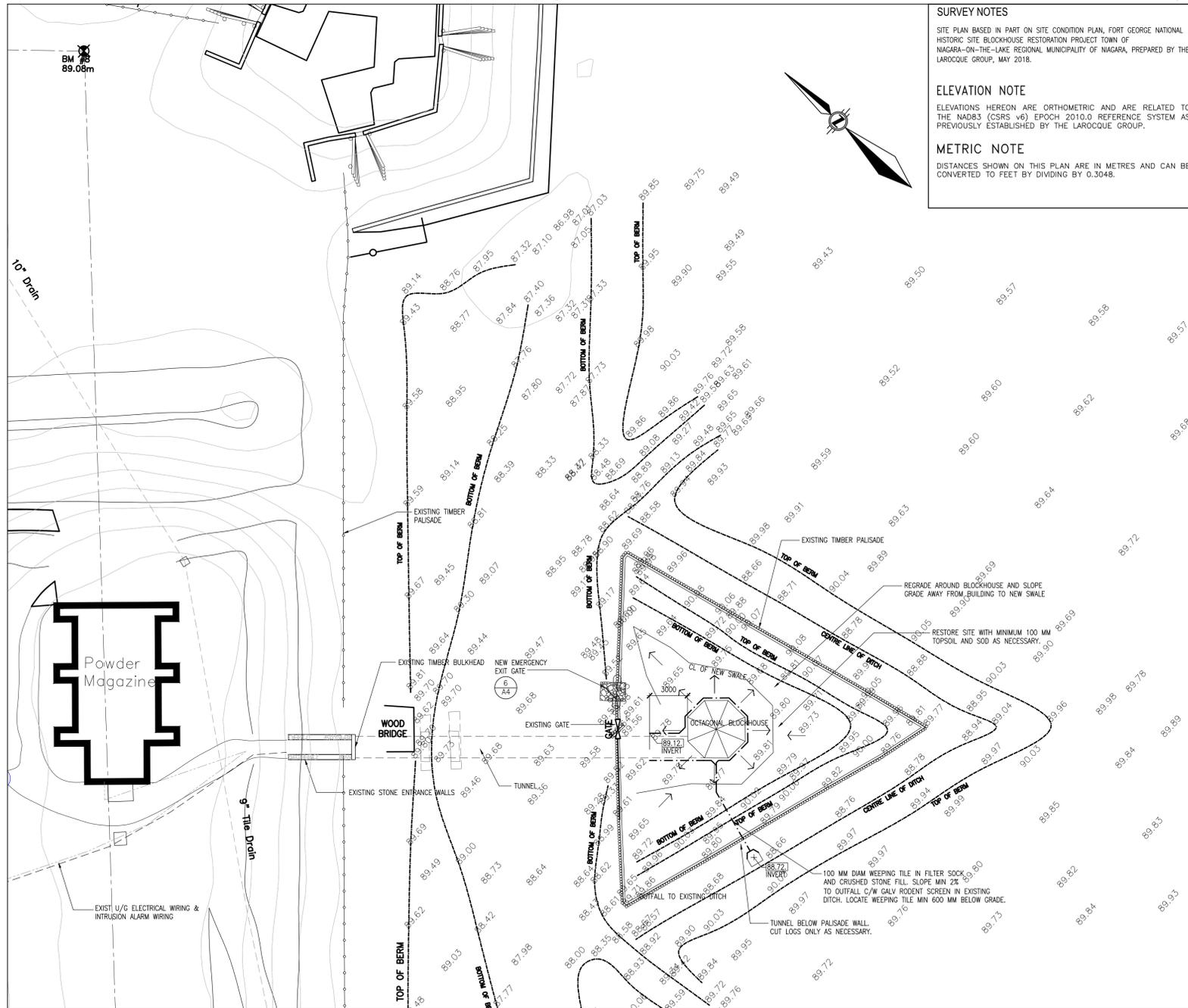
1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH PARKS CANADA STANDARDS AND GUIDELINES FOR THE CONSERVATION OF HISTORIC PLACES IN CANADA (SECOND EDITION).
2. COMPLY WITH PARKS CANADA AGENCY REQUIREMENTS.
3. FORT GEORGE NATIONAL HISTORIC SITE WILL REMAIN IN OPERATION AND OPEN TO THE PUBLIC THROUGHOUT THE CONSTRUCTION PERIOD. CONFORM TO PARKS CANADA REQUIREMENTS INCLUDING WORK AREA LIMITS, SCHEDULING REQUIREMENTS AND NOISE RESTRICTIONS.
4. CONTRACTOR IS REMINDED THAT THE SITE IS OF NATIONAL HISTORIC SIGNIFICANCE AND SHOULD AT ALL TIMES, TREAT IT AS SUCH.
5. PRESERVATION MATERIALS AND METHODS SHALL BE THE LEAST INTRUSIVE METHODS POSSIBLE AND IN ACCORDANCE WITH GOOD CONSERVATION PRACTICE EXCEPT WHERE NOTED OTHERWISE.
6. EXAMINE THE AREAS OF WORK AND REPORT CONDITIONS TO THE OWNER.
7. MAINTAIN THE SITE AND WORK AREAS IN A SECURE MANNER AT ALL TIMES. PROVIDE SUITABLE SECURE SAFETY FENCING SATISFACTORY TO PARKS CANADA AGENCY. MINIMUM 1.8 METRES HIGH AROUND ALL WORK AREAS. DISMANTLE, REMOVE AND REINSTALL FENCING WHEN DIRECTED BY PARKS CANADA AGENCY OR AS REQUIRED BY PROGRAMMING REQUIREMENTS.
8. ENSURE THAT HERITAGE RESTORATION WORK DOES NOT ADVERSELY AFFECT ADJACENT WATERCOURSES, GROUNDWATER AND WILDLIFE, OR CONTRIBUTE TO EXCESS AIR AND NOISE POLLUTION.
9. REFER TO DESIGNATED SUBSTANCES & HAZARDOUS MATERIALS SURVEY, FORT GEORGE - FOUR HISTORIC BUILDINGS (BLOCKHOUSES) PREPARED BY ONTARIO ENVIRONMENTAL & SAFETY NETWORK LTD., DATED JUNE 20, 2018. COMPLETE ALL HAZARDOUS MATERIALS ABATEMENT IN ACCORDANCE WITH LEGISLATED STANDARDS.
10. ALL MATERIALS FROM DEMOLITION SHALL BE REMOVED FROM SITE UNLESS OTHERWISE DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
11. THE SITE IS A NATIONAL HISTORIC SITE RECOGNIZED BY CANADA AND MUST BE TREATED AS SUCH. EXCAVATION BEYOND THE IMMEDIATE WORK AREA DEFINED BY THE DEPARTMENTAL REPRESENTATIVE IS STRICTLY PROHIBITED. EVERY PRECAUTION WILL BE TAKEN TO MINIMIZE DISTURBANCE OR DAMAGE TO THE AREA SURROUNDING OR ADJACENT TO THE DEFINED WORK SITE.
12. BURIED ARTIFACTS, THE REMAINS AND EVIDENCE OF ANCIENT PERSONS AND PEOPLES, AND ANY OBJECTS OF HISTORIC VALUE AND WORTH, REMAIN THE PROPERTY OF THE CROWN. ANY AND ALL SUCH OBJECTS SHALL BE PROTECTED AND IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE.
13. ARCHAEOLOGIST WILL BE ON SITE TO MONITOR WORK TO ENSURE NO ARCHAEOLOGY RESOURCES ARE DAMAGED. ADVISE DEPARTMENTAL REPRESENTATIVE AND RECEIVE DIRECTION REGARDING PROTECTING SUCH RESOURCES SHOULD ANY BE DISCOVERED BY EITHER ARCHAEOLOGY OR THE CONTRACTOR. THE CONTRACTOR COULD BE DIRECTED TO STOP WORK ON THE AREA AND REDIRECT WORK ELSEWHERE UNTIL THE ISSUE IS RESOLVED TO THE DEPARTMENTAL REPRESENTATIVE'S SATISFACTION.
14. BECAUSE THE PROJECT IS ON A NATIONAL HISTORIC SITE, IT IS ESSENTIAL ALL EXISTING FEATURES REMAIN AS FOUND. CONSEQUENTLY, STANDARDS FOR ENVIRONMENTAL PROTECTION AND FOR VISUAL AESTHETICS OF FINAL PRODUCT SHALL BE OF A QUALITY STANDARD. CONTRACT LIMITS SHALL BE STRICTLY ADHERED TO AND THE CONTRACTOR IS TO TAKE SPECIAL CARE TO MINIMIZE DAMAGE AND DISRUPTION AND PROTECT EXISTING FEATURES. THE DEPARTMENTAL REPRESENTATIVE IS TO BE NOTIFIED IMMEDIATELY IF ANY HISTORIC OR NATURAL RESOURCES ARE LOCATED DURING CONSTRUCTION.
15. DO NOT PUMP WATER CONTAINING SUSPENDED MATERIALS INTO WATERCOURSES, STORM OR SANITARY SEWERS, OR ONTO ADJACENT PROPERTIES.
16. DO NOT DISPOSE OF WASTE OF VOLATILE MATERIALS INCLUDING BUT NOT LIMITED TO, MINERAL SPIRITS, OIL, PETROLEUM BASED LUBRICANTS, OR TOXIC CLEANING SOLUTIONS INTO WATERCOURSES, STORM OR SANITARY SEWERS.
17. CONTROL DISPOSAL OR RUNOFF OF WATER CONTAINING SUSPENDED MATERIALS OR OTHER HARMFUL SUBSTANCES IN ACCORDANCE WITH LOCAL AUTHORITIES AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
18. ANY WATER GENERATED FROM DEMOLITION, REMOVAL OR CONSTRUCTION OPERATIONS MUST BE APPROPRIATELY CONTAINED, TREATED OR DISPOSED OF IN ACCORDANCE WITH APPLICABLE LEGISLATION.
19. PREVENT MOVEMENT, SETTLEMENT OR DAMAGE OF ADJACENT STRUCTURES, SERVICES, TREES, LANDSCAPING AND ADJACENT GRADES. PROVIDE BRACING, SHORING AND UNDERPINNING AS REQUIRED. REPAIR DAMAGE CAUSED BY DEMOLITION AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
20. AT END OF EACH DAY'S WORK, LEAVE WORK IN SAFE AND STABLE CONDITION.



AERIAL PHOTO 3
SCALE: NTS A2



LOCATION MAP 3
SCALE: NTS A2



SURVEY NOTES
SITE PLAN BASED IN PART ON SITE CONDITION PLAN, FORT GEORGE NATIONAL HISTORIC SITE BLOCKHOUSE RESTORATION PROJECT TOWN OF NIAGARA-ON-THE-LAKE REGIONAL MUNICIPALITY OF NIAGARA, PREPARED BY THE LAROUCHE GROUP, MAY 2018.

ELEVATION NOTE
ELEVATIONS HEREON ARE ORTHOMETRIC AND ARE RELATED TO THE NAD83 (CSRS v6) EPOCH 2010.0 REFERENCE SYSTEM AS PREVIOUSLY ESTABLISHED BY THE LAROUCHE GROUP.

METRIC NOTE
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.



PART SITE PLAN - OUTER REDAN 1
SCALE: NTS A2

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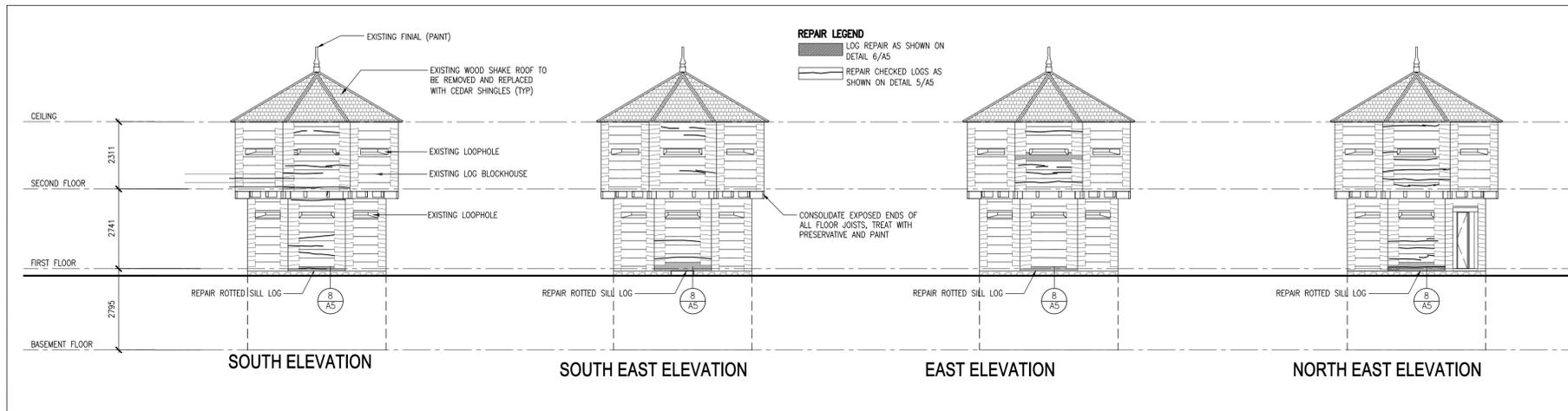
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PRO001504	1201179, 1202296, 1202267, 1202270	A2
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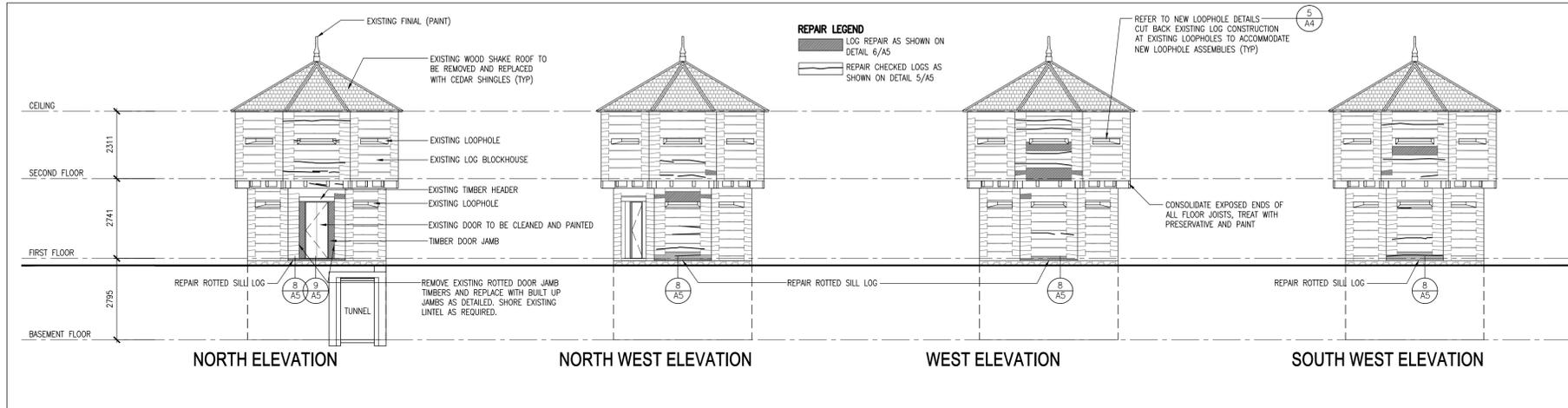
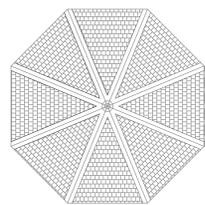
NOTES

- SITE VERIFY ALL DIMENSIONS.
- REFER TO DESIGNATED SUBSTANCES & HAZARDOUS MATERIALS SURVEY, FORT GEORGE - FOUR HISTORIC BUILDINGS (BLOCKHOUSES) PREPARED BY ONTARIO ENVIRONMENTAL & SAFETY NETWORK LTD., DATED JUNE 20, 2018. COMPLETE ALL HAZARDOUS MATERIALS ABATEMENT IN ACCORDANCE WITH LEGISLATED STANDARDS.
- RESTORE EXISTING LOG STRUCTURE AS DETAILED.
- CLAD ENTIRE OCTAGONAL BLOCKHOUSE WITH WOOD CLADDING ON WOOD STRAPPING AND WEATHER BARRIER. EXISTING TRIM AND FLASHINGS TO BE COMPLETELY REMOVED AND REPLACED.
- ALL EXTERIOR WOOD SURFACES AND NEW INTERIOR WOOD TRIM TO BE PAINTED.
- REMOVE AND REPLACE EXISTING WOOD SHINGLES. REPAIR EXISTING WOOD ROOF DECKING AS INDICATED.
- PROVIDE NEW EMERGENCY EXIT GATE IN EXISTING WOOD PALISADE WALL AS DETAILED.
- REGRADE SITE AND PROVIDE NEW FOUNDATION DRAINAGE AT PERIMETER OF OCTAGONAL BLOCKHOUSE. DRAIN TO NEW OUTFALL IN DRAINAGE DITCH.



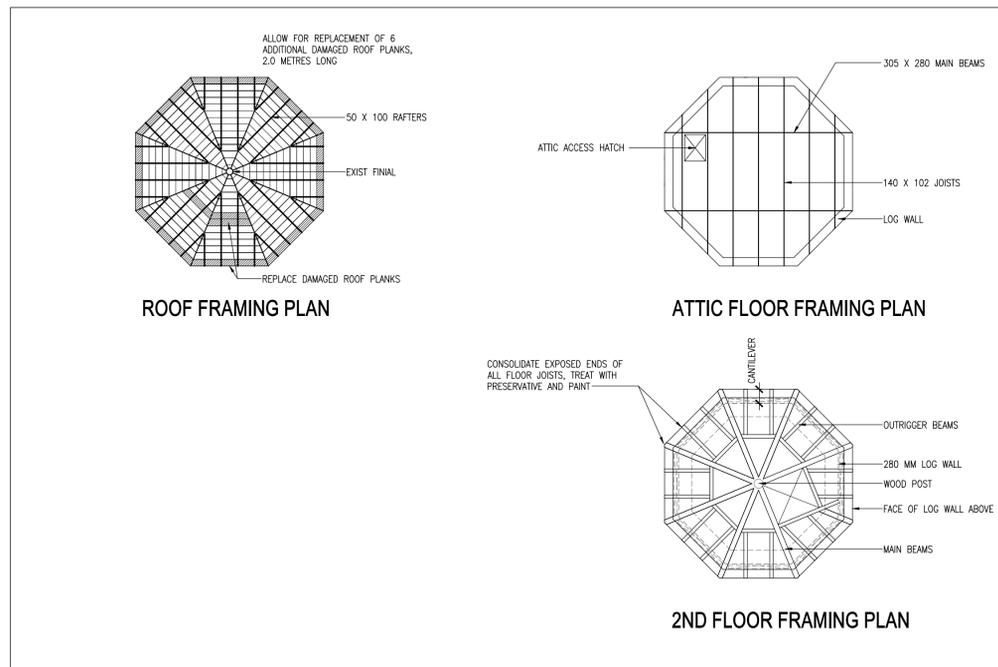
OCTAGONAL BLOCKHOUSE EXISTING ELEVATIONS 5
 SCALE: 1:100 A3

- REMOVE EXISTING WOOD SHAKE ROOFING AND TRIM. REMOVE OR SET ALL EXISTING NAILS FLUSH.
 INSPECT EXISTING WOOD DECKING AND ANY EXPOSED FRAMING AND REPLACE AS NECESSARY WITH NEW MATERIAL TO MATCH EXISTING. REFER TO ROOF FRAMING PLAN FOR EXTENT OF DECK REPLACEMENT. ALLOW FOR AN ADDITIONAL 6 BOARDS, MINIMUM 1.8 METRES LONG.
 INSTALL NEW CEDAR SHINGLES ON 2 PLY 15# BUILDING PAPER OVER EXISTING ROOF DECKING.
 PROVIDE BOARD CAPS AT RIDGES (SHINGLES NOT PERMITTED)
 PROVIDE NEW METAL DRIP FLASHING AT ROOF EDGES.
 REPAIR AND PAINT EXISTING FINAL.
 PROVIDE NEW PREFIN METAL FLASHING AT FINAL.

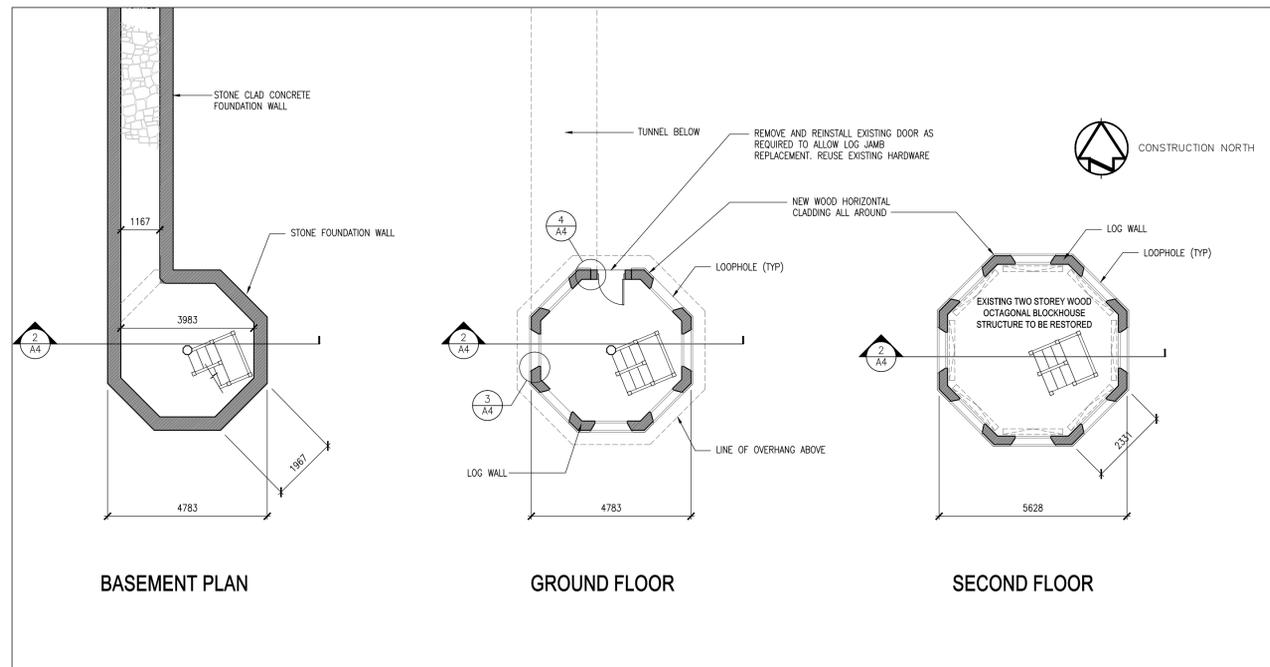


OCTAGONAL BLOCKHOUSE EXISTING ELEVATIONS 3
 SCALE: 1:100 A3

OCTAGONAL BLOCKHOUSE ROOF PLAN 4
 SCALE: 1:100 A3



OCTAGONAL BLOCKHOUSE FRAMING PLANS 2
 SCALE: 1:100 A3



OCTAGONAL BLOCKHOUSE PLANS 1
 SCALE: 1:100 A3



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OCTAGONAL BLOCKHOUSE PLANS AND ELEVATIONS

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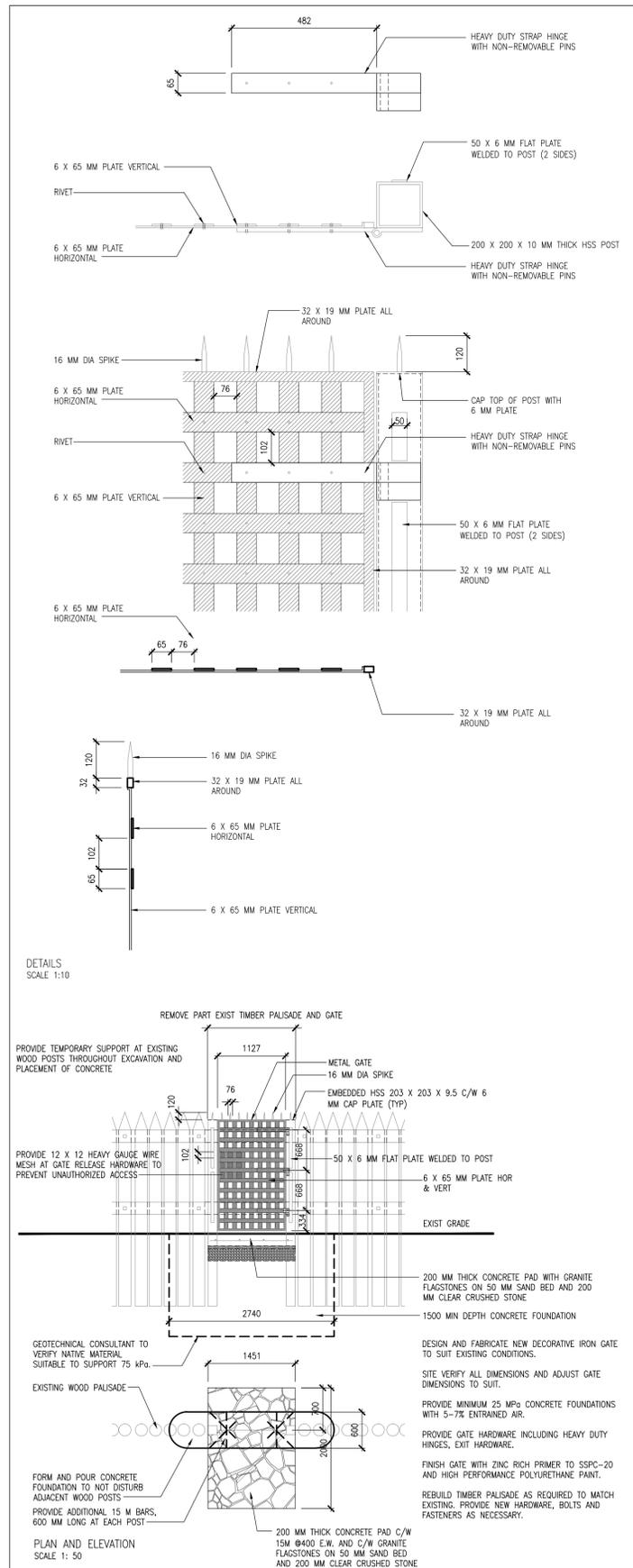
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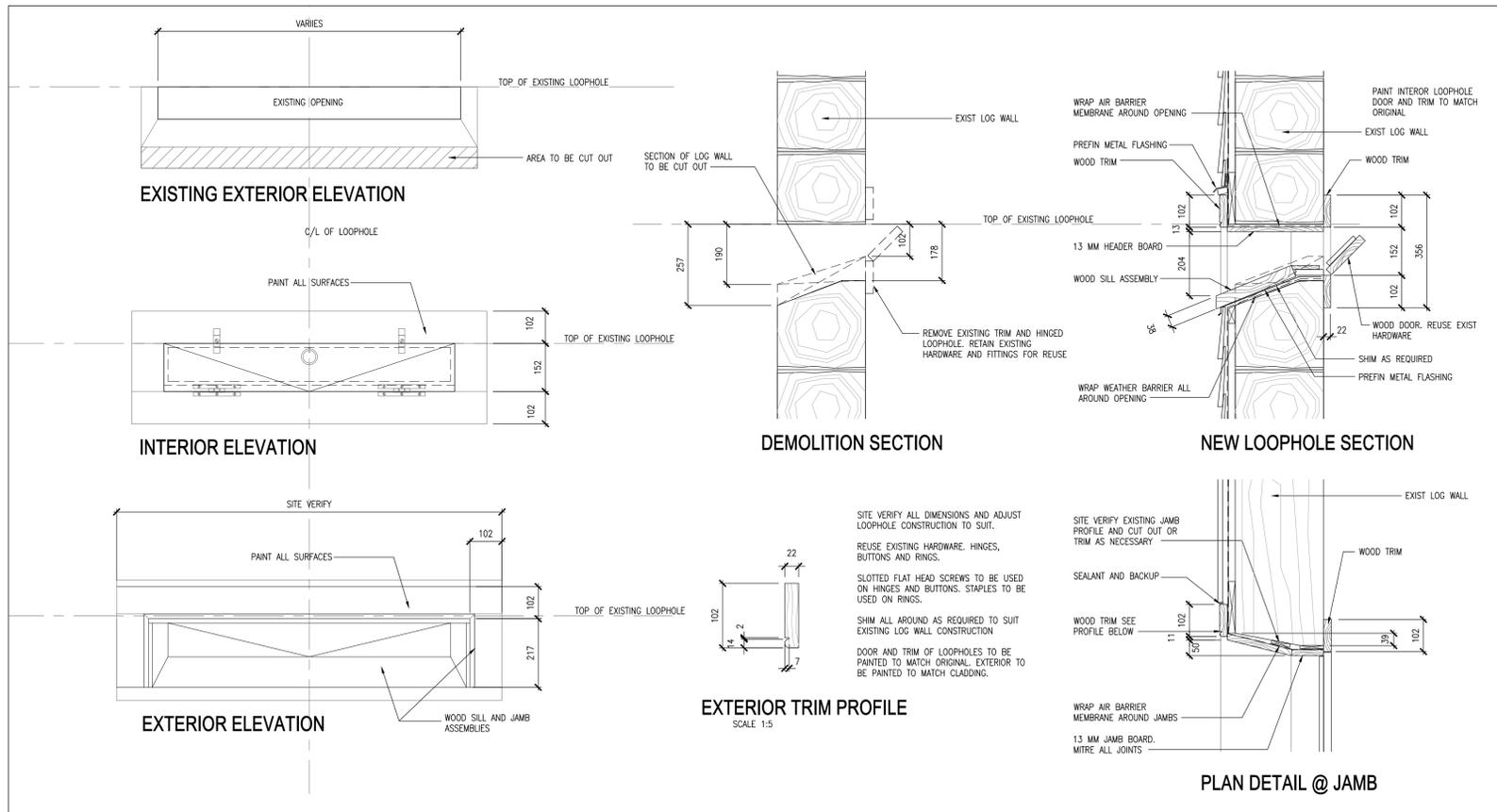
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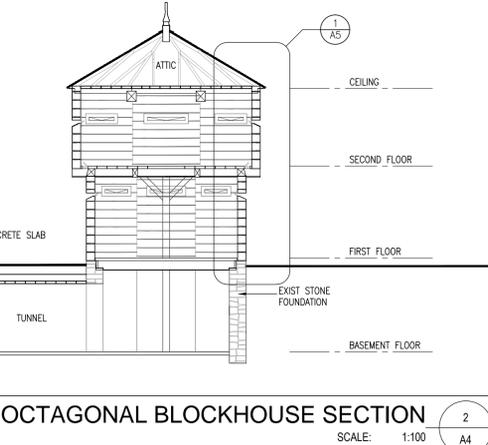
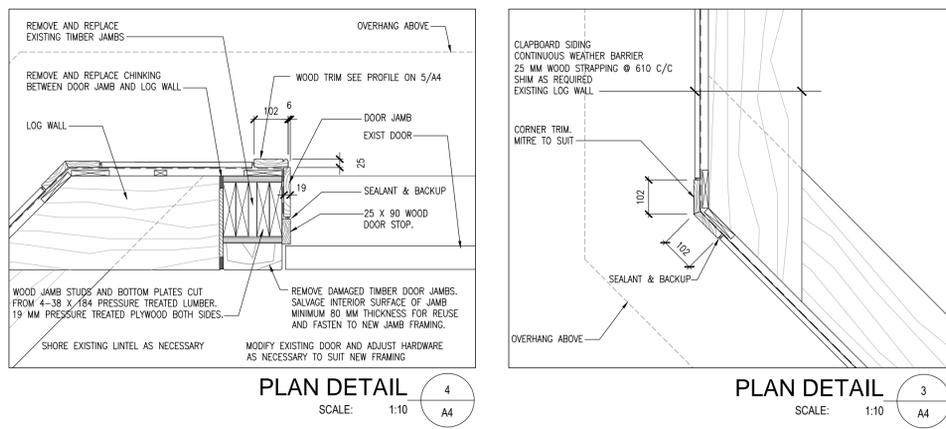
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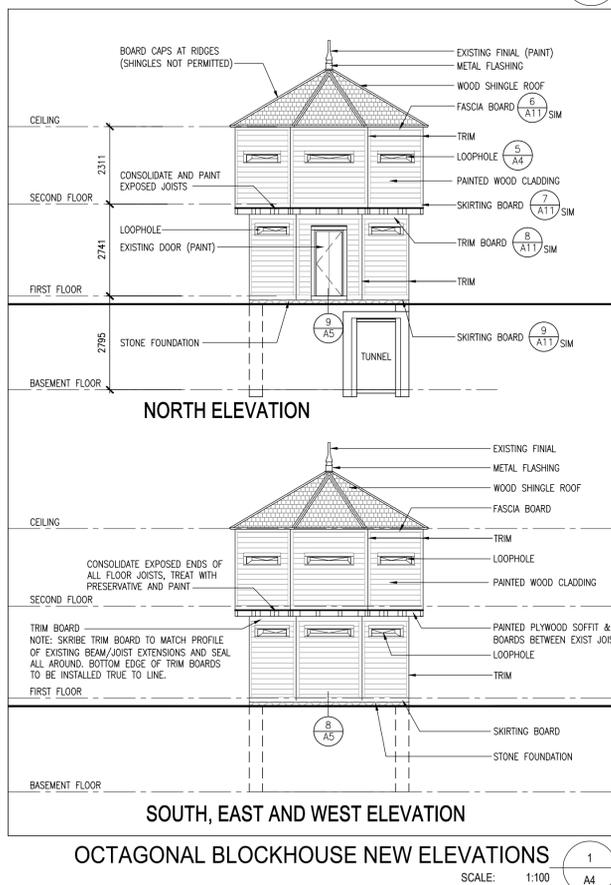
GATE DETAILS
SCALE: AS NOTED



LOOPHOLE DETAILS
SCALE: 1:10



OCTAGONAL BLOCKHOUSE SECTION
SCALE: 1:100



OCTAGONAL BLOCKHOUSE NEW ELEVATIONS
SCALE: 1:100

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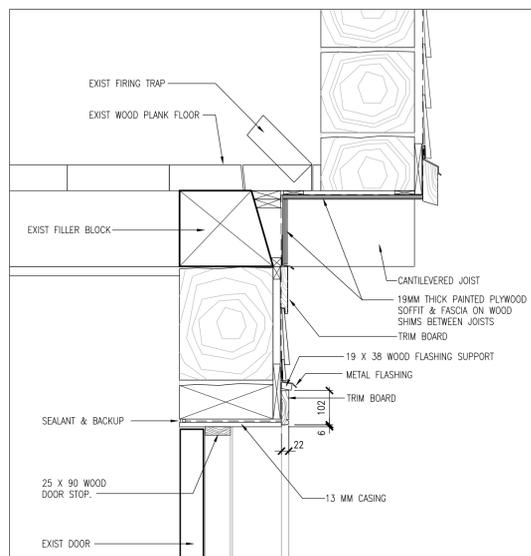
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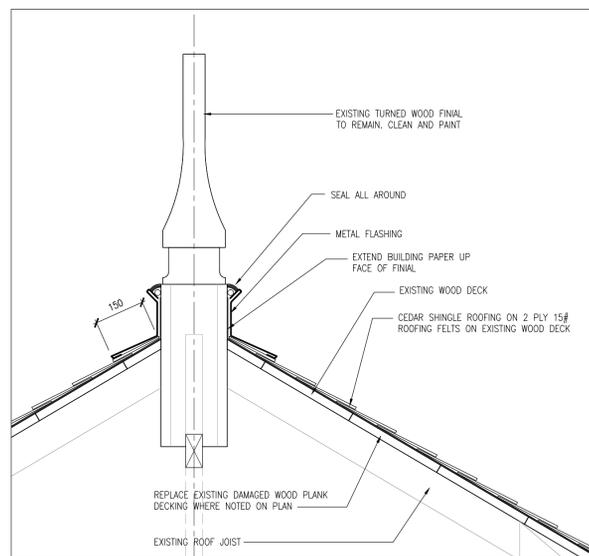
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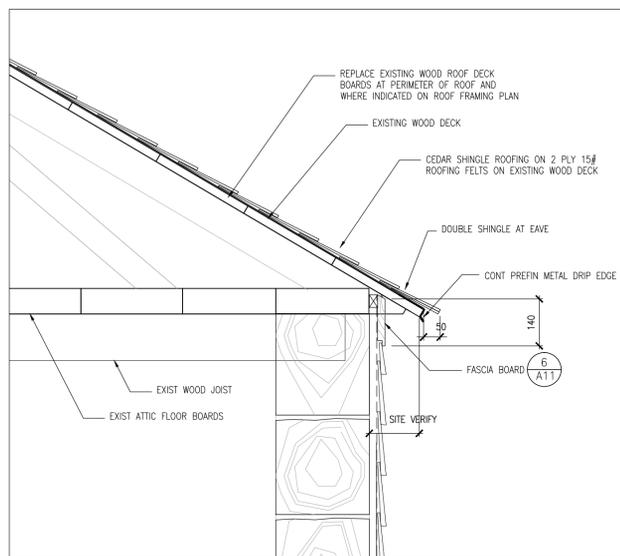
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Feuille No.
A4



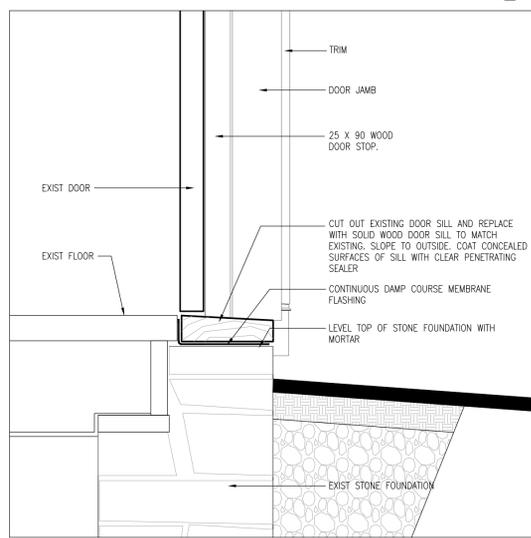
SECTION DETAIL - DOOR HEAD 10
SCALE: 1:10 A5



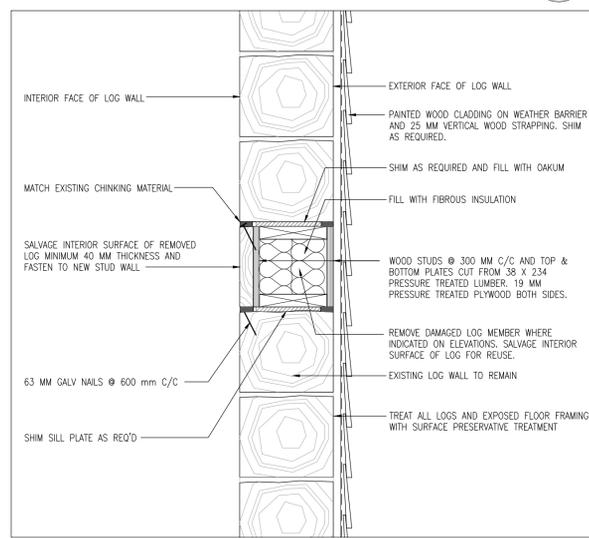
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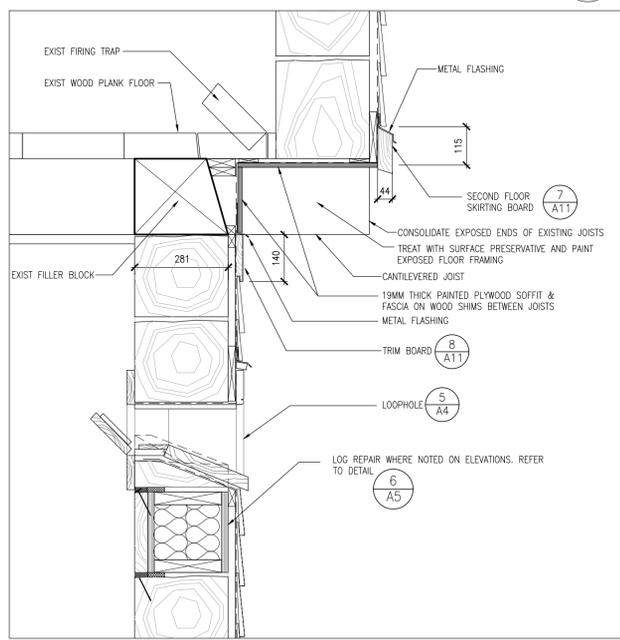
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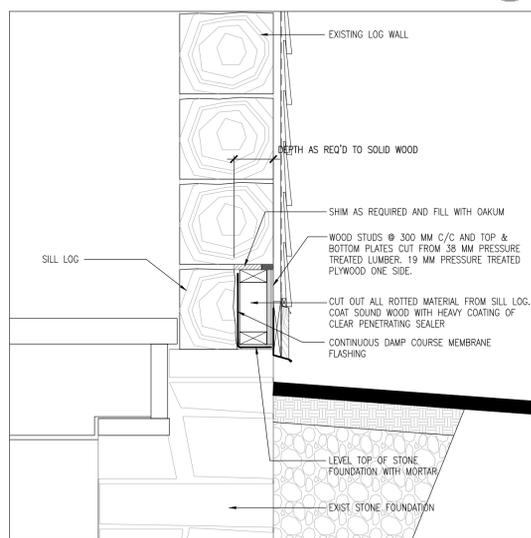
SECTION DETAIL - DOOR SILL REPAIR 9
SCALE: 1:10 A5



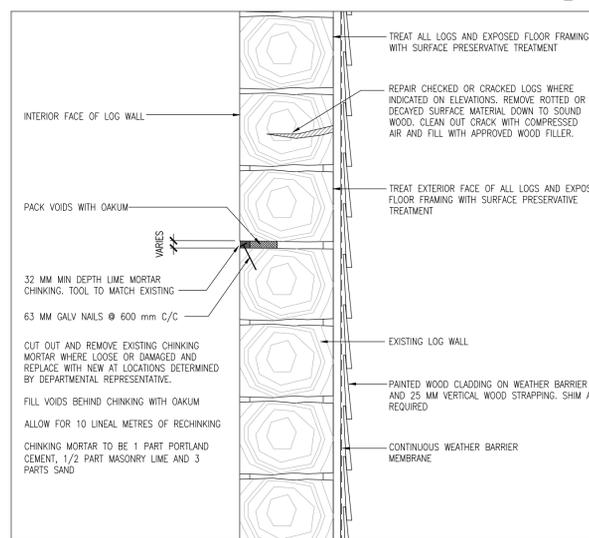
SECTION DETAIL - LOG REPAIR 6
SCALE: 1:10 A5



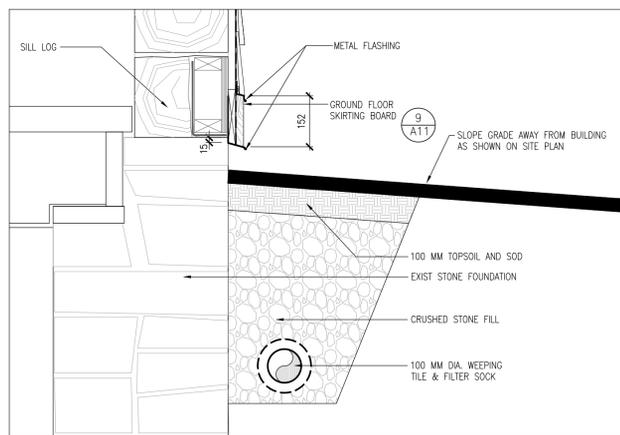
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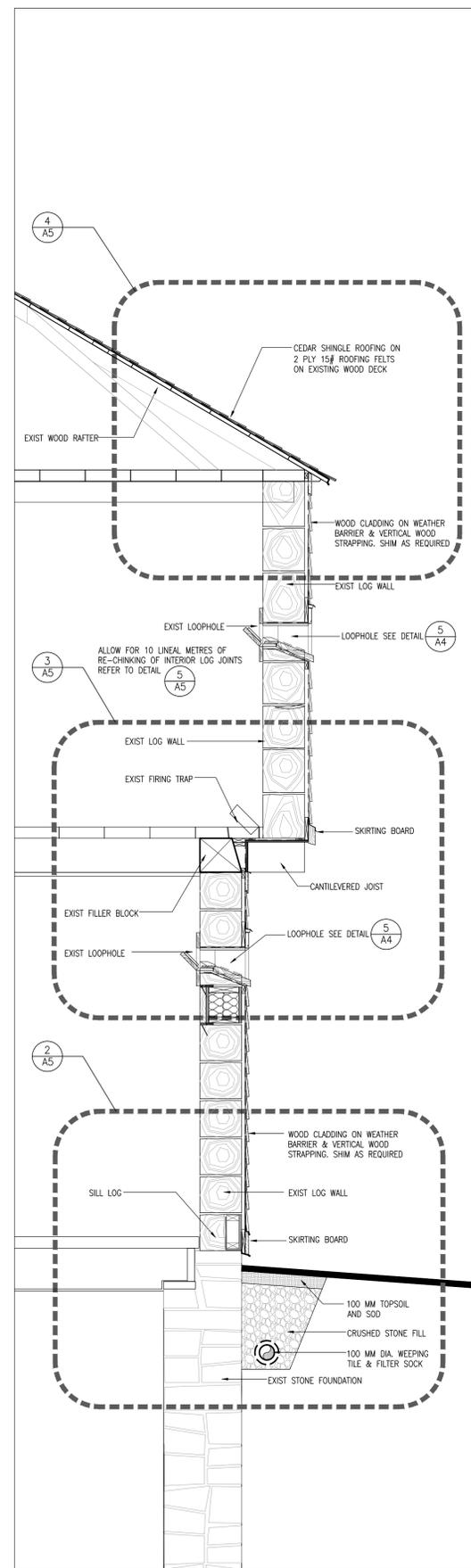
SECTION DETAIL - SILL LOG REPAIR 8
SCALE: 1:10 A5



SECTION DETAIL - LOG REPAIR 5
SCALE: 1:10 A5



SECTION DETAIL 2
SCALE: 1:10 A5



WALL SECTION 1
SCALE: 1:20 A5

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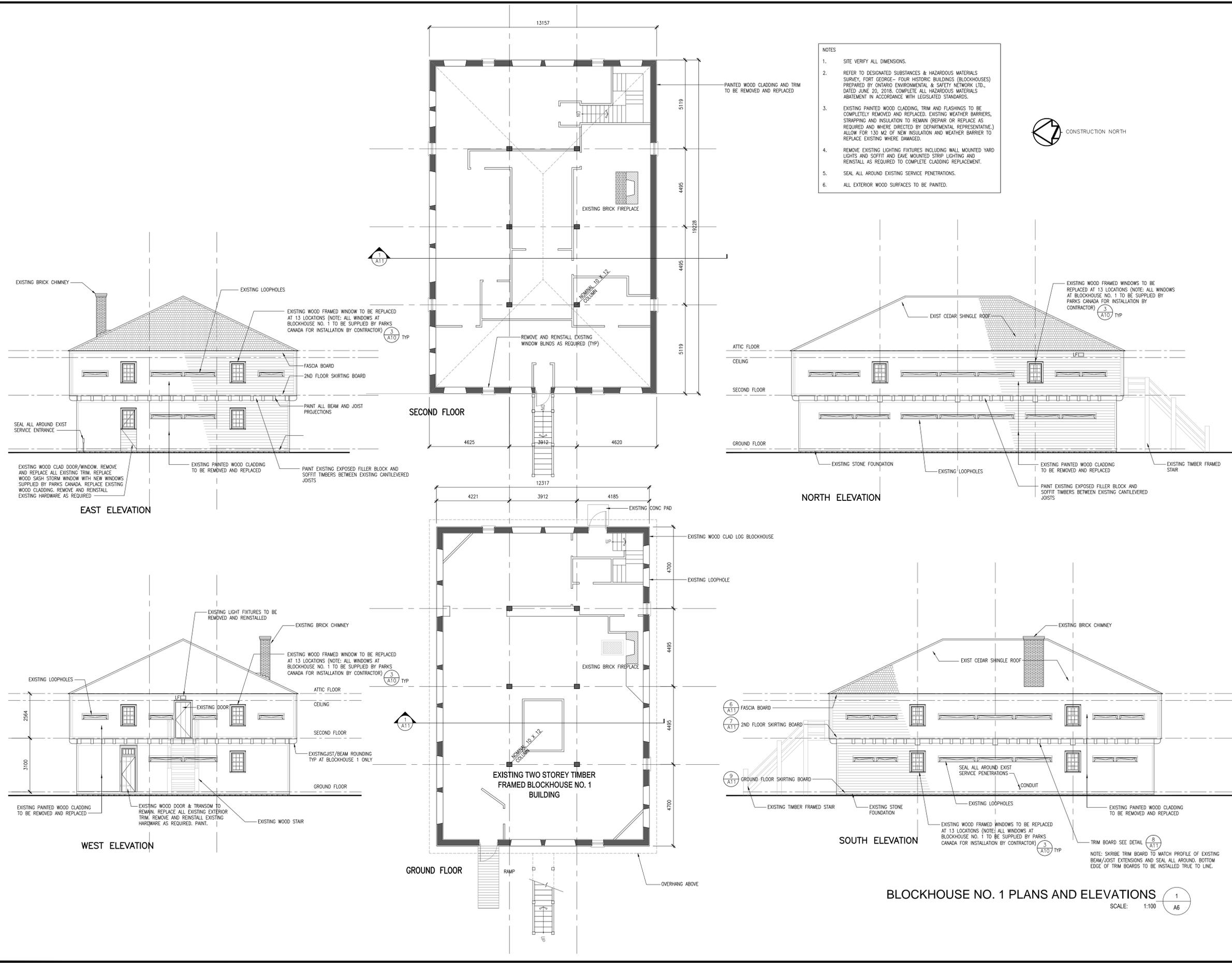
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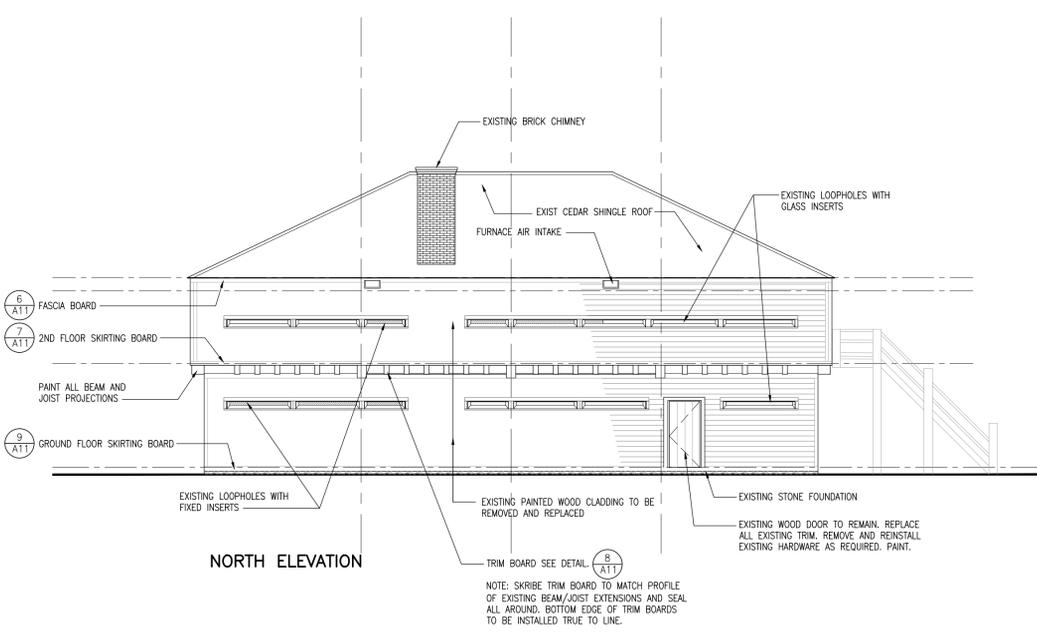
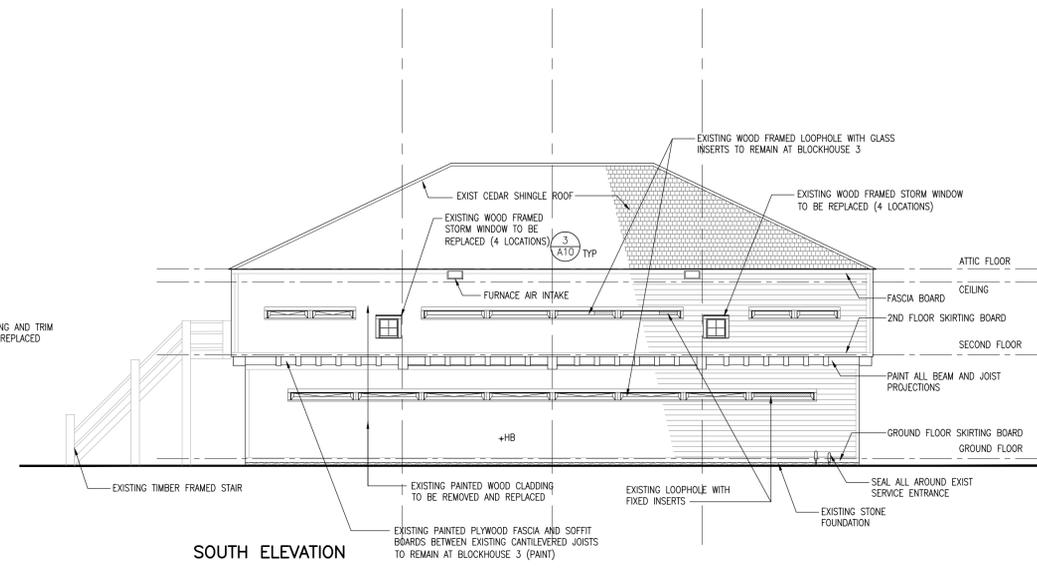
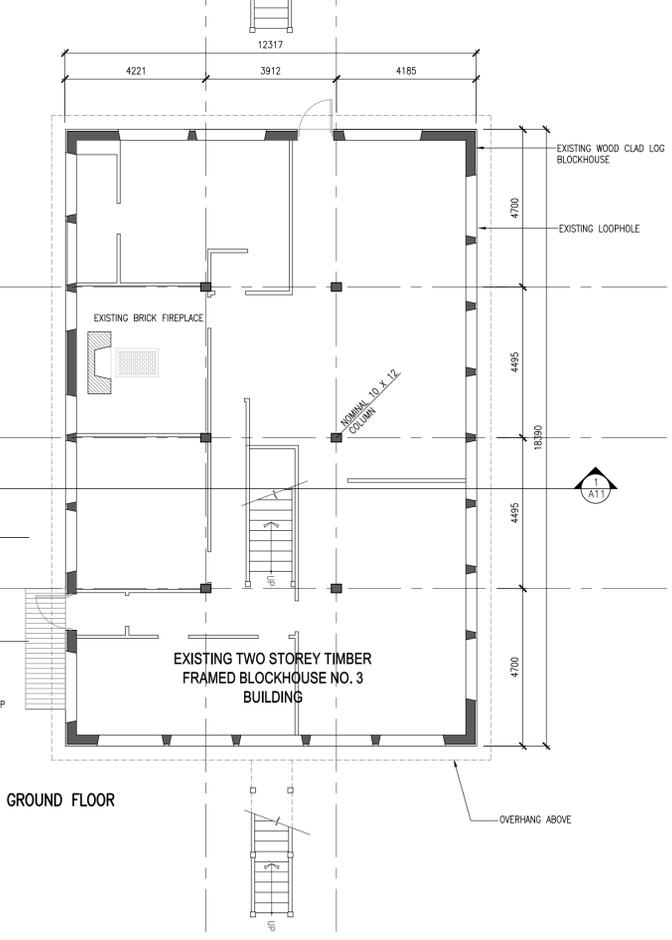
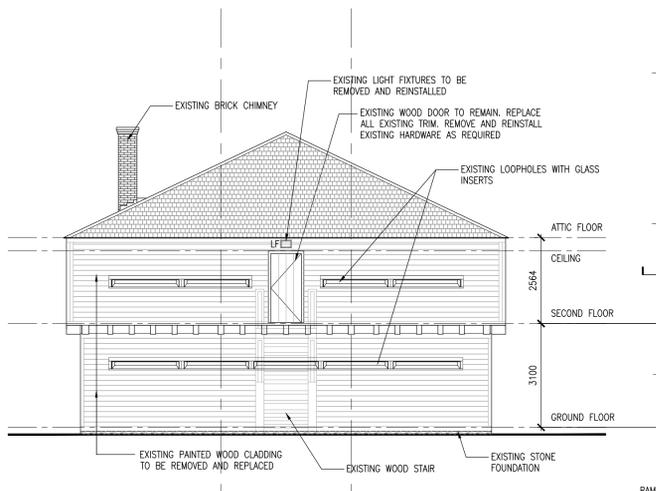
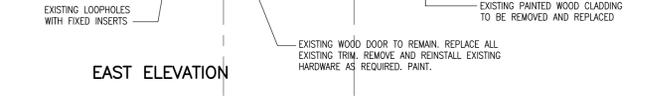
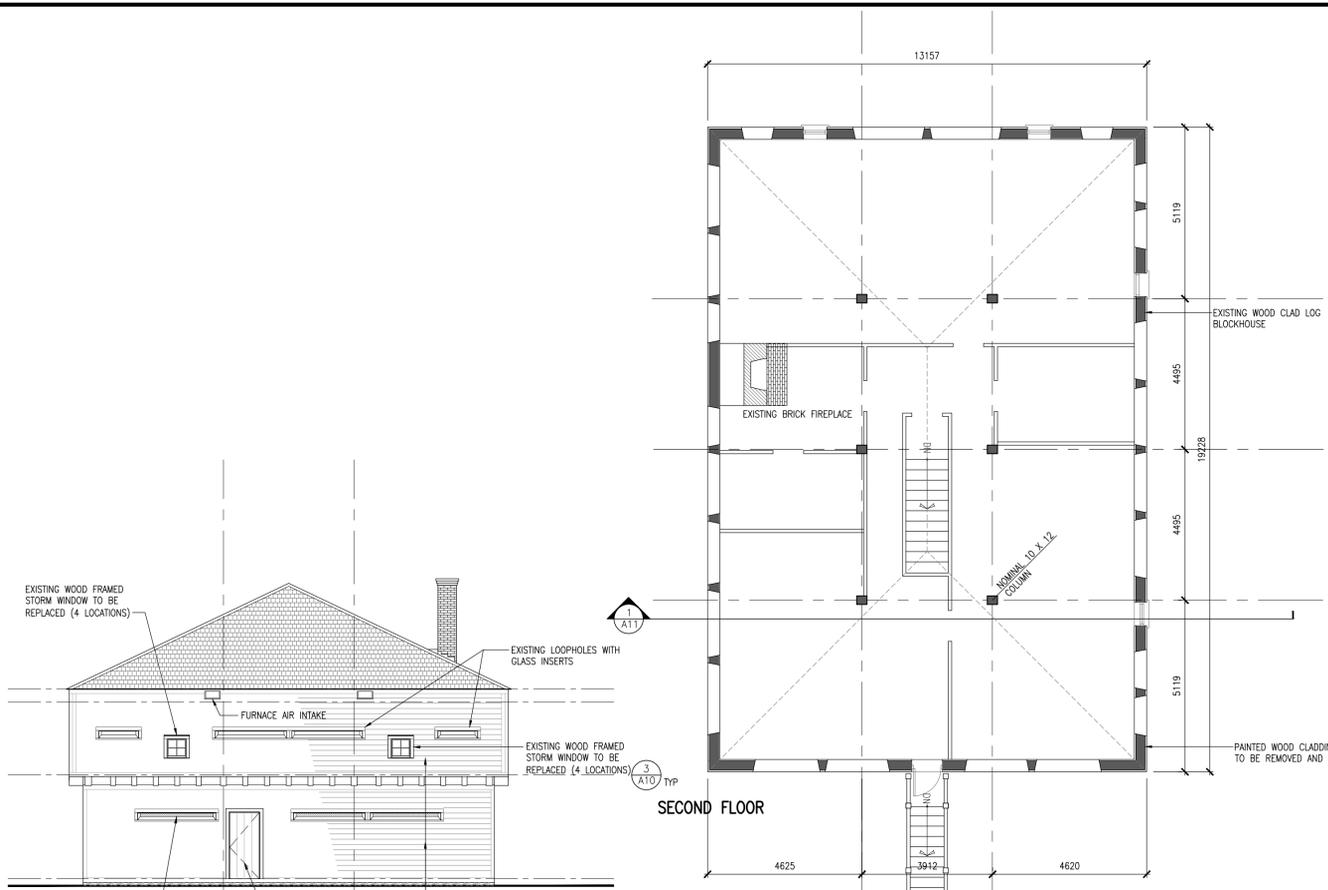
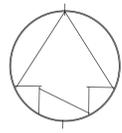
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BLOCKHOUSE No. 1 PLANS AND ELEVATIONS

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C.M.E./B.K.	03/01/18	
Approved by / Approuve par	Date	
CE	07/11/18	
Checked by/ Verifie par	Date	
CE	07/11/18	
Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
PRO001504	1202266	A6
Drawing Re No./No. du Dessin	??	

- NOTES
1. SITE VERIFY ALL DIMENSIONS.
 2. REFER TO DESIGNATED SUBSTANCES & HAZARDOUS MATERIALS SURVEY, FORT GEORGE - FOUR HISTORIC BUILDINGS (BLOCKHOUSES) PREPARED BY ONTARIO ENVIRONMENTAL & SAFETY NETWORK LTD., DATED JUNE 20, 2018. COMPLETE ALL HAZARDOUS MATERIALS ABATEMENT IN ACCORDANCE WITH LEGISLATED STANDARDS.
 3. EXISTING PAINTED WOOD CLADDING, TRIM AND FLASHINGS TO BE COMPLETELY REMOVED AND REPLACED. EXISTING WEATHER BARRIERS, STRAPPING AND INSULATION TO REMAIN (REPAIR OR REPLACE AS REQUIRED AND WHERE DIRECTED BY DEPARTMENTAL REPRESENTATIVE.) ALLOW FOR 130 M2 OF NEW INSULATION AND WEATHER BARRIER TO REPLACE EXISTING WHERE DAMAGED.
 4. REMOVE EXISTING LIGHTING FIXTURES INCLUDING WALL MOUNTED YARD LIGHTS AND SOFFIT AND EAVE MOUNTED STRIP LIGHTING AND REINSTALL AS REQUIRED TO COMPLETE CLADDING REPLACEMENT.
 5. SEAL ALL AROUND EXISTING SERVICE PENETRATIONS.
 6. ALL EXTERIOR WOOD SURFACES TO BE PAINTED.



BLOCKHOUSE NO. 3 PLANS AND ELEVATIONS
SCALE: 1:100

XX	XXXX
DRAWING NO.	DRAWING NAME
REFERENCE DRAWINGS	
2	09/25/18 ISSUED FOR TENDER C.M.E. BBA
1	03/29/18 ISSUED FOR REVIEW C.M.E. BBA
NO.	DATE DESCRIPTION Drawn by Approved
	Dessine par Approve

REVISIONS			
A	A Detail number	A	Numero de detail
B	B Sheet number	B	Sur feuille numero

Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record /
Type d'enregistrement

Project title / Titre du projet

FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin

BLOCKHOUSE No. 3 PLANS AND ELEVATIONS

Plot Scale / Echelle
AS NOTED

Drawn by/ Dessine par
C.M.E. Date
03/10/18

Field Recording by /
Releve-Termin par
C.M.E./B.K. Date
03/01/18

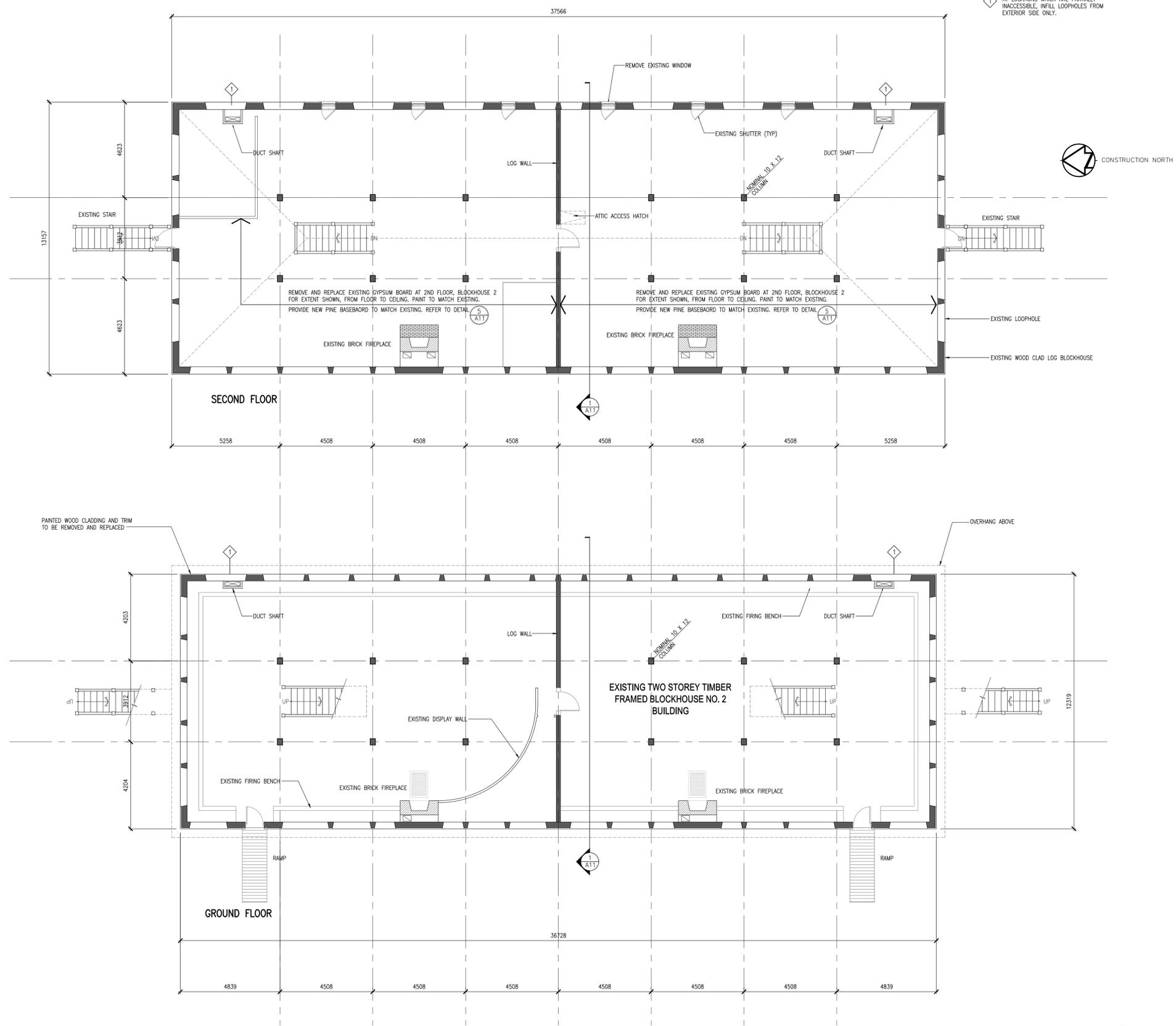
Approved by / Approuve par
CE Date
07/11/18

Checked by/ Verifie par
CE Date
07/11/18

Project No./ No. du projet
PRO001504 Asset No.
1201179 Sheet No./
Feuille No.

Drawing Re No./No. du Dessin
??





1 AT LOCATIONS WHICH ARE PARTIALLY INACCESSIBLE, INFILL LOOPHOLES FROM EXTERIOR SIDE ONLY.

BARRY BRYAN ASSOCIATES
Architects
Engineers
Project Managers

250 Water Street
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Tel: (905) 699-5252 Fax: (905) 699-5252
e-mail: barry@bba.com

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	Dessine par Approuve

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Drawing title / Titre du dessin

BLOCKHOUSE No. 2 PLANS

Plot Scale / Echelle
AS NOTED

Drawn by/ Dessine par
C.M.E. Date
03/10/18

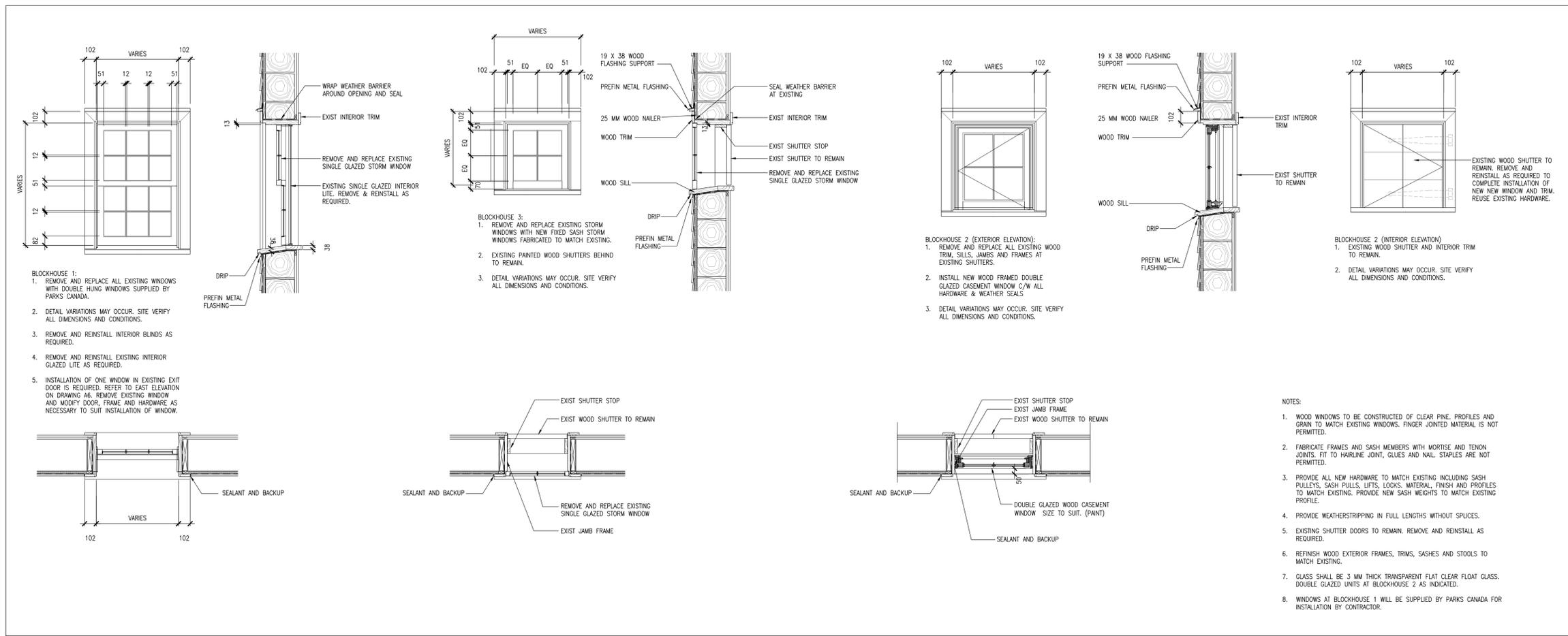
Field Recording by /
Releve-Termin par
C.M.E./B.K. Date
03/01/18

Approved by / Approuve par
CE Date
07/11/18

Checked by/ Verifie par
CE Date
07/11/18

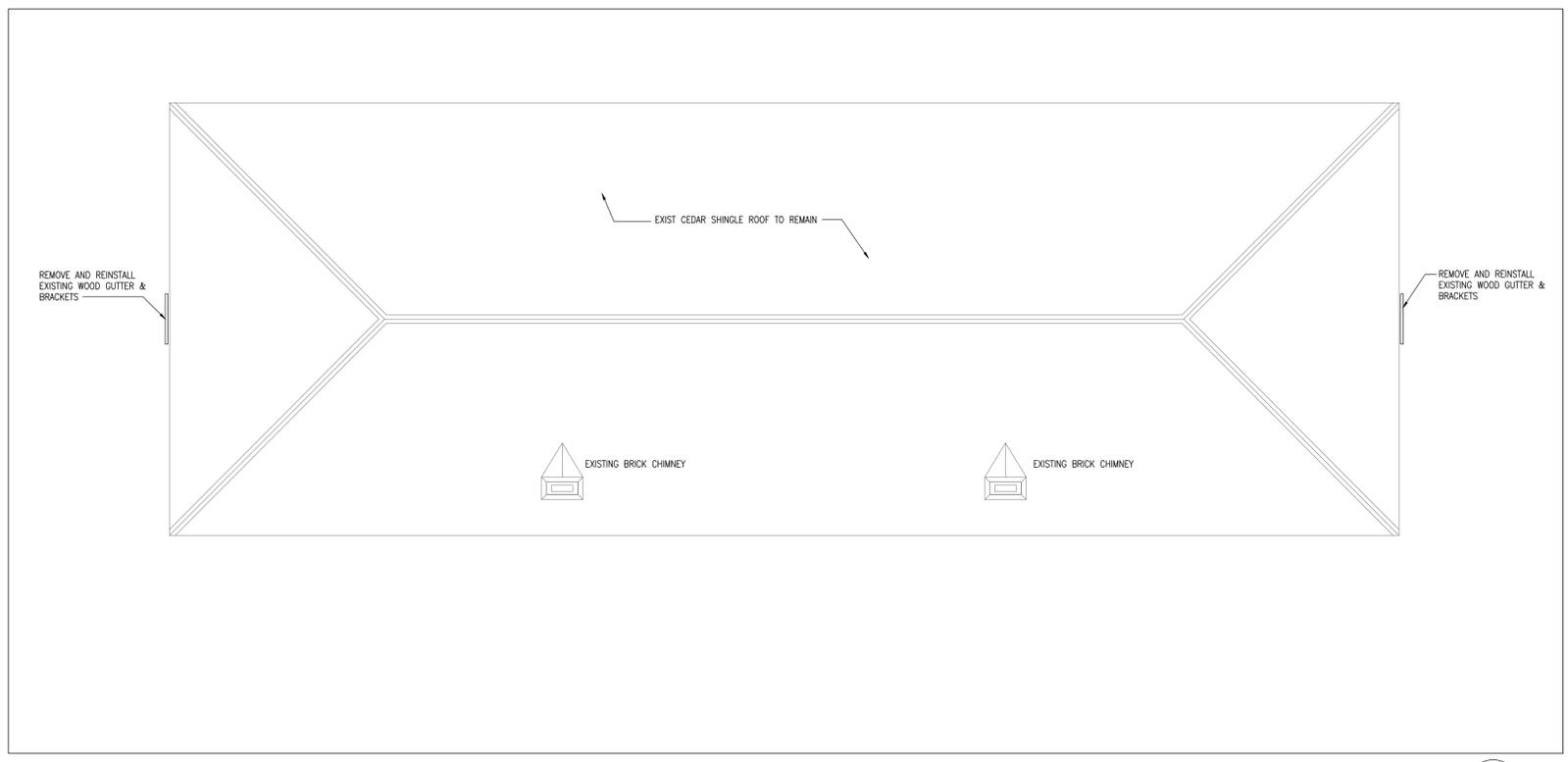
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BLOCKHOUSE NO. 2 PLANS
SCALE: 1:100

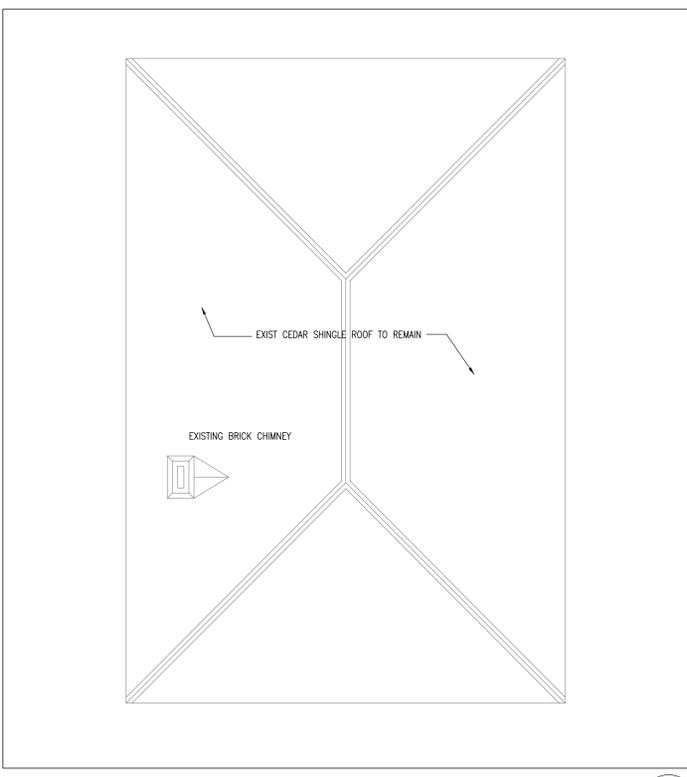


- NOTES:
- WOOD WINDOWS TO BE CONSTRUCTED OF CLEAR PINE. PROFILES AND GRAIN TO MATCH EXISTING WINDOWS. FINGER JOINTED MATERIAL IS NOT PERMITTED.
 - FABRICATE FRAMES AND SASH MEMBERS WITH MORITSE AND TENON JOINTS. FIT TO HAIRLINE JOINT, GLUES AND NAIL. STAPLES ARE NOT PERMITTED.
 - PROVIDE ALL NEW HARDWARE TO MATCH EXISTING INCLUDING SASH PULLEYS, SASH PULLS, LIFTS, LOCKS. MATERIAL, FINISH AND PROFILES TO MATCH EXISTING. PROVIDE NEW SASH WEIGHTS TO MATCH EXISTING PROFILE.
 - PROVIDE WEATHERSTRIPPING IN FULL LENGTHS WITHOUT SPLICES.
 - EXISTING SHUTTER DOORS TO REMAIN. REMOVE AND REINSTALL AS REQUIRED.
 - REFINISH WOOD EXTERIOR FRAMES, TRIMS, SASHES AND STOOLS TO MATCH EXISTING.
 - GLASS SHALL BE 3 MM THICK TRANSPARENT FLAT CLEAR FLOAT GLASS. DOUBLE GLAZED UNITS AT BLOCKHOUSE 2 AS INDICATED.
 - WINDOWS AT BLOCKHOUSE 1 WILL BE SUPPLIED BY PARKS CANADA FOR INSTALLATION BY CONTRACTOR.

WINDOW DETAILS 3
SCALE: 1:20 A10



BLOCKHOUSE NO. 2 ROOF PLAN 2
SCALE: 1:100 A10



BLOCKHOUSE NO. 1 & 3 ROOF PLAN 1
SCALE: 1:100 A10

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Project Managers
250 Water Street
Suite 210
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Tel: (905) 669-0202
Fax: (905) 669-0204
www.barrybryan.com

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B	B Sheet number B Sur feuille numero
Linear dimensions in millimeters	Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record /
Type d'enregistrement

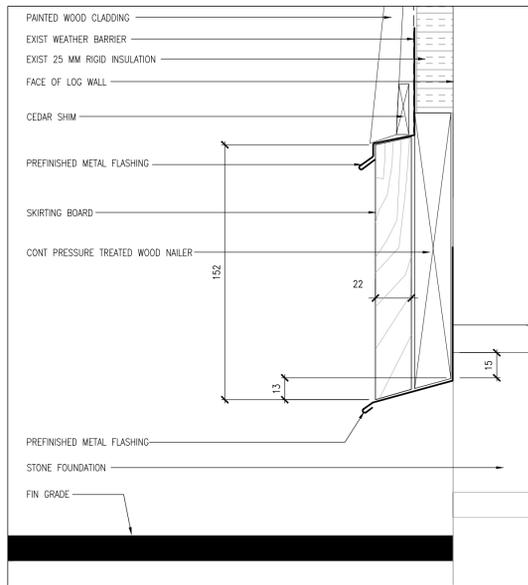
Project title / Titre du projet
FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin
BLOCKHOUSE No. 1, 2 & 3 ROOF PLANS AND DETAILS

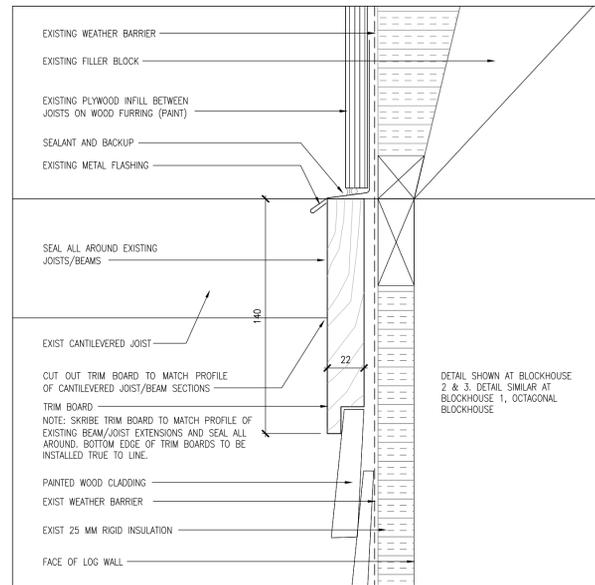
Plot Scale / Echelle
AS NOTED

Drawn by/ Dessine par C.M.E.	Date 03/10/18
Field Recording by / Releve-Temoin par C.M.E./B.K.	Date 03/01/18
Approved by / Approuve par CE	Date 07/11/18
Checked by/ Verifie par CE	Date 07/11/18

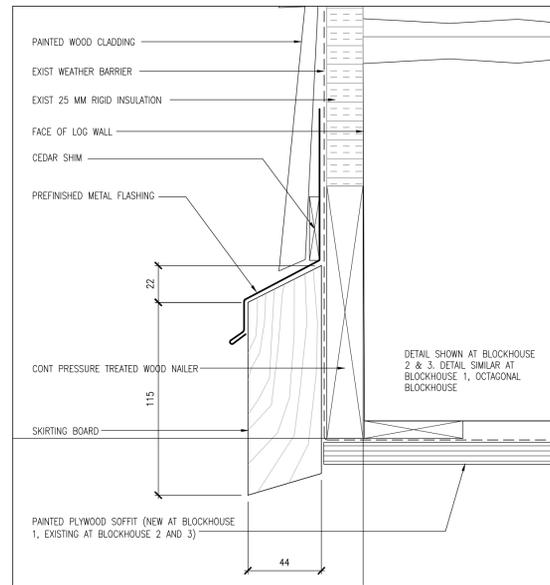
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Drawing Re No./No. du Dessin ??		



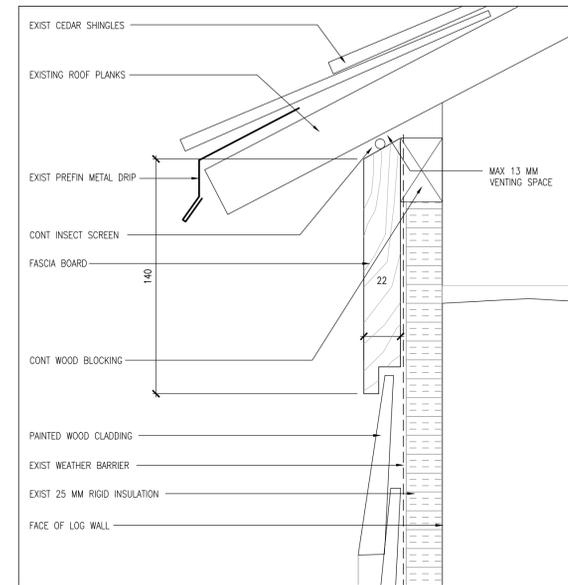
GROUND FLOOR SKIRTING BOARD 9
SCALE: 1:2 A11



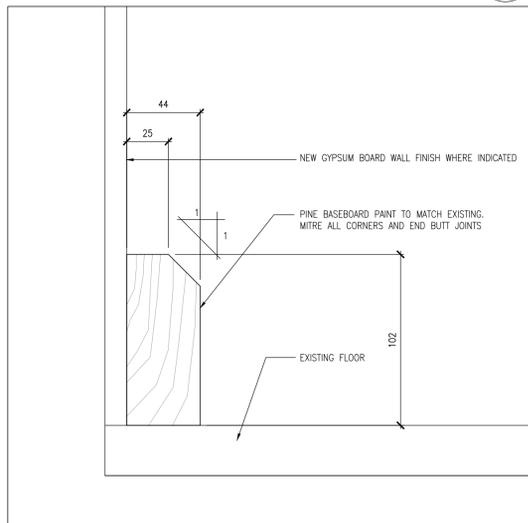
TRIM DETAIL 8
SCALE: 1:2 A11



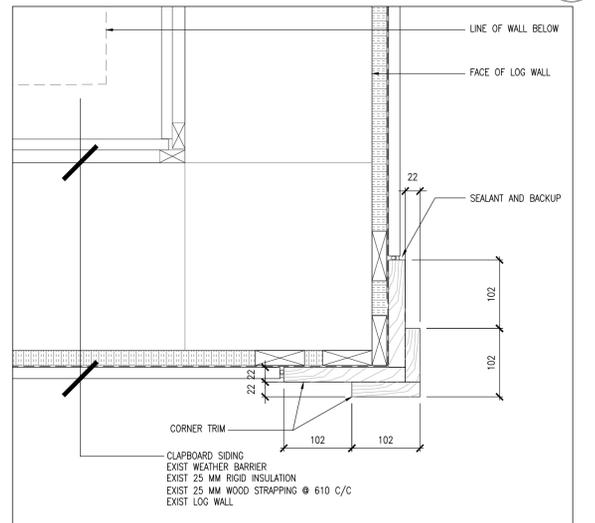
SECOND FLOOR SKIRTING BOARD 7
SCALE: 1:2 A11



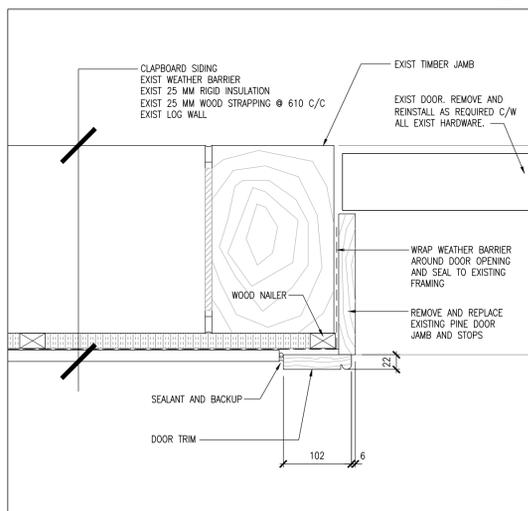
FASCIA BOARD 6
SCALE: 1:2 A11



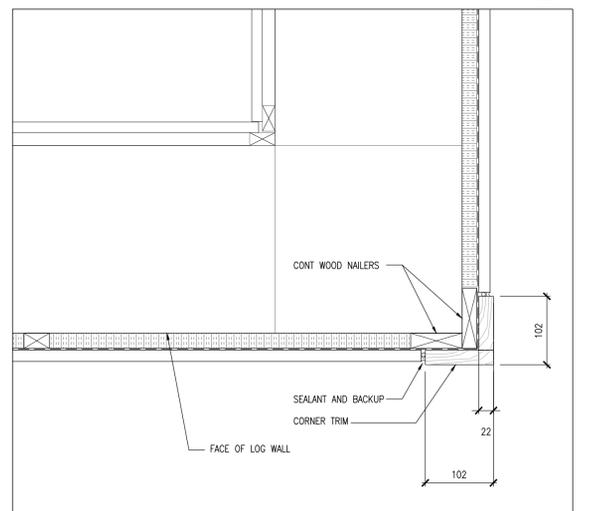
BASEBOARD DETAIL 5
SCALE: 1:2 A11



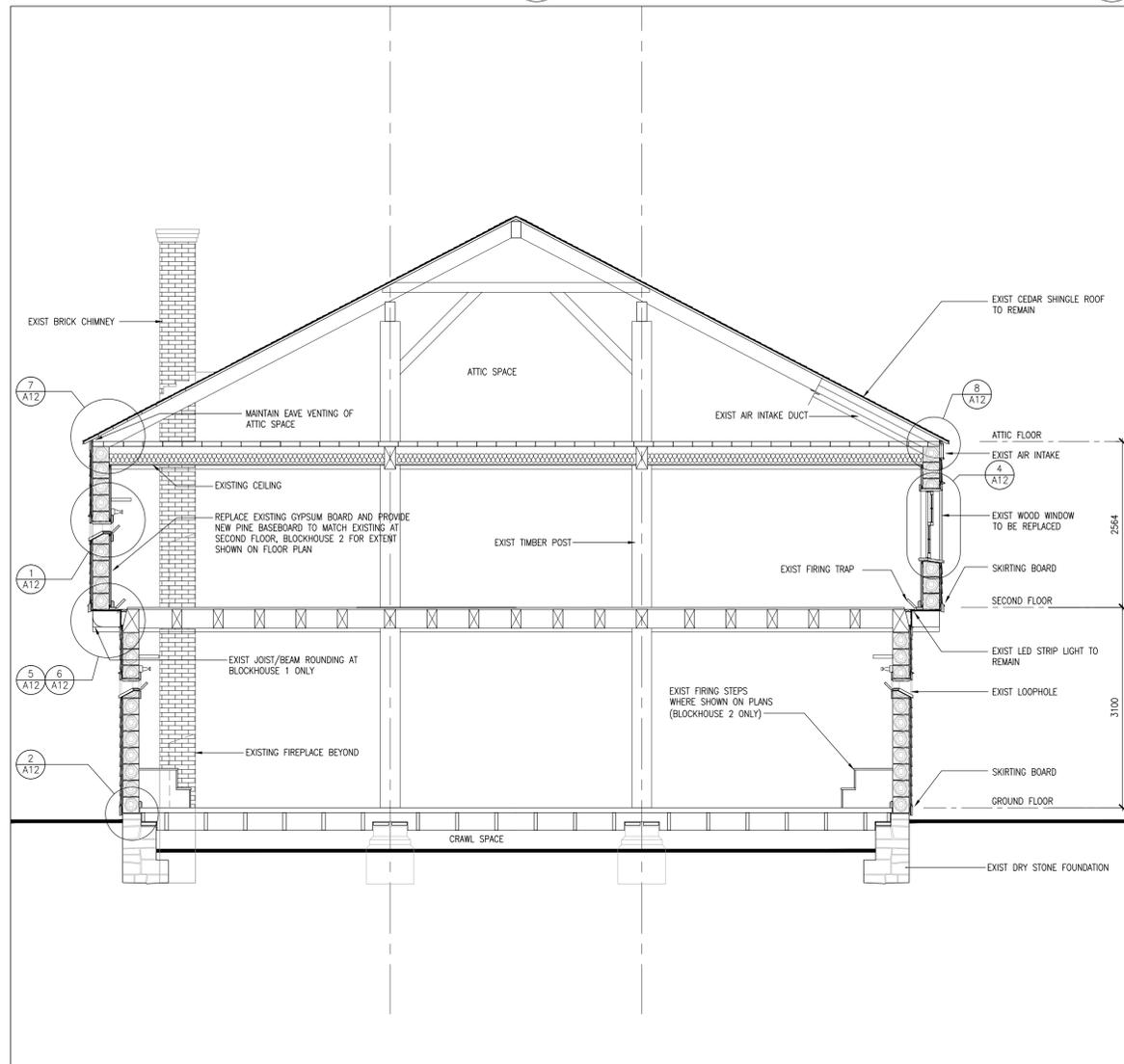
PLAN DETAIL 4
SCALE: 1:5 A11



PLAN DETAIL 3
SCALE: 1:5 A11



PLAN DETAIL 2
SCALE: 1:5 A11



BLOCKHOUSE 1, 2 & 3 SECTION 1
SCALE: 1:50 A11

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Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

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FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin

BLOCKHOUSE No. 1, 2 & 3 SECTION AND DETAILS

Plot Scale / Echelle
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C.M.E. Date
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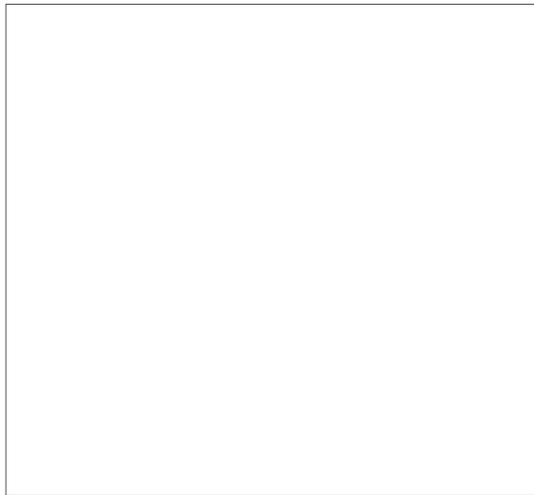
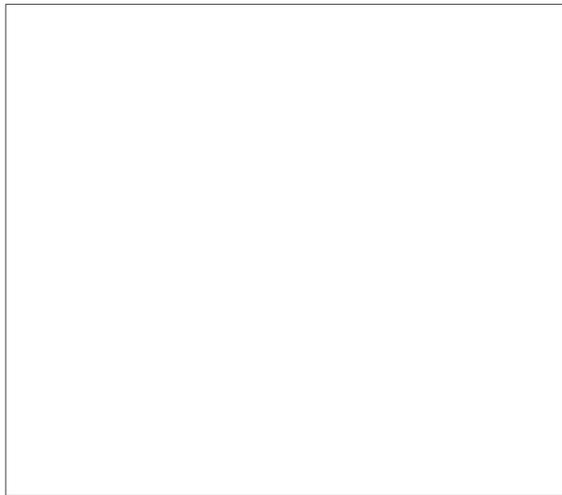
Checked by/ Verifie par
CE Date
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Project No./ No. du projet
PRO001504

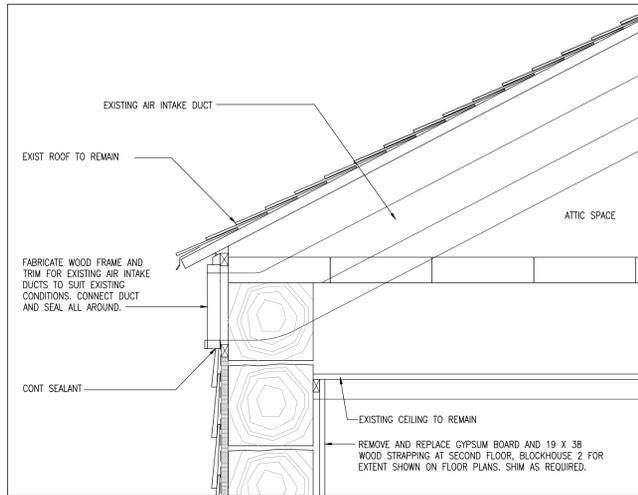
Asset No.
1201179, 1202266, 1202267

Sheet No./ Feuille No.
A11

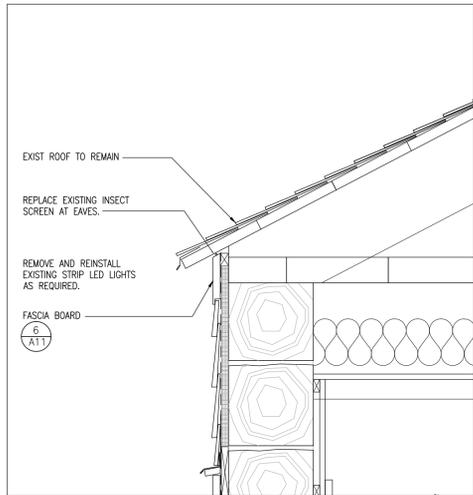
Drawing Re No./No. du Dessin
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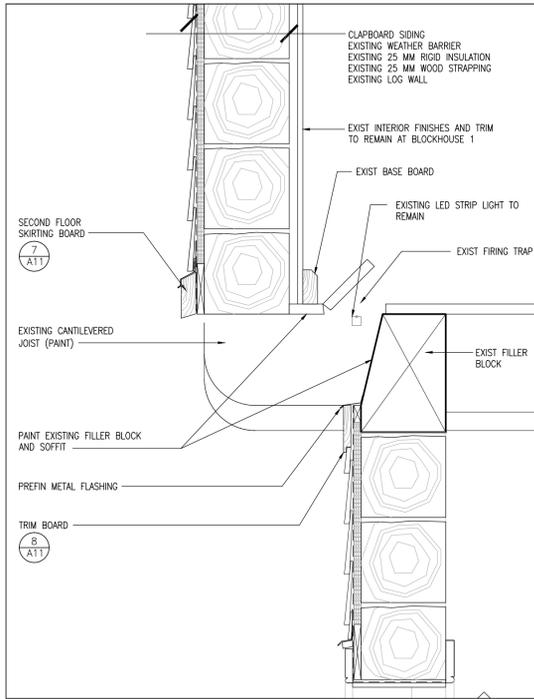
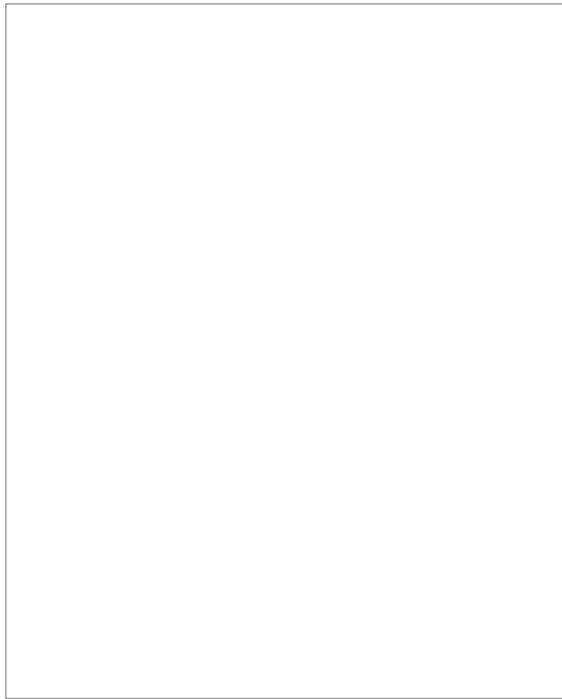
SECTION DETAIL 9 SCALE: 1:10 A12



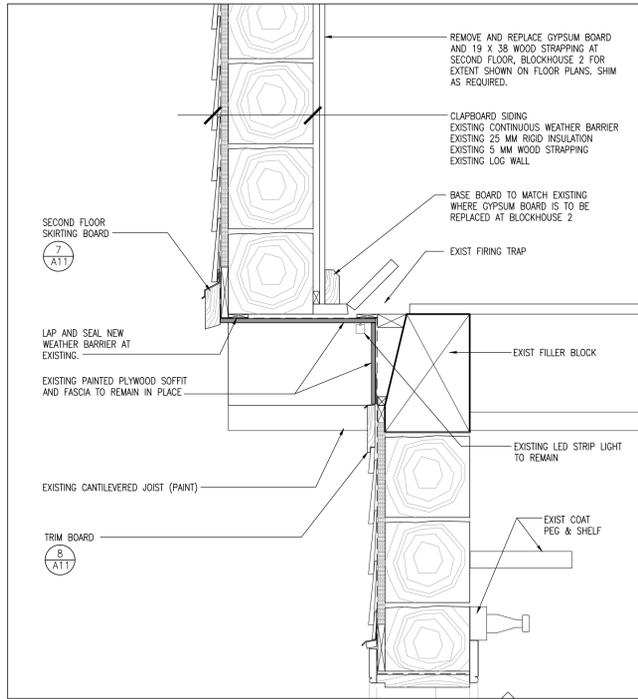
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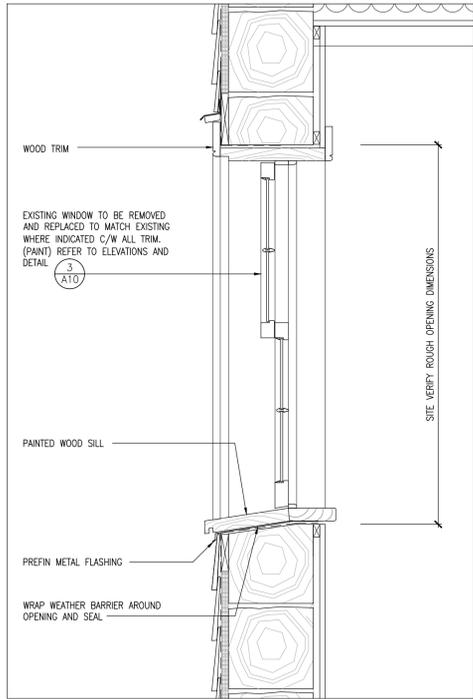
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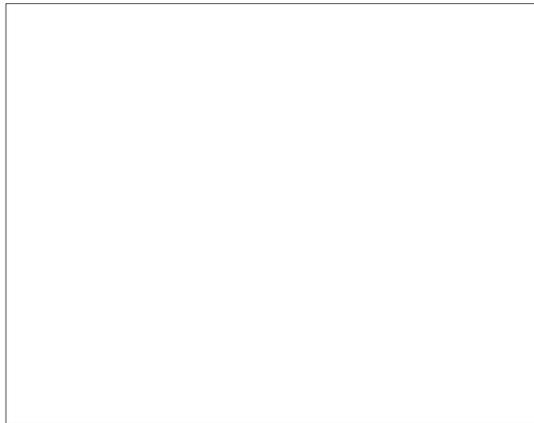
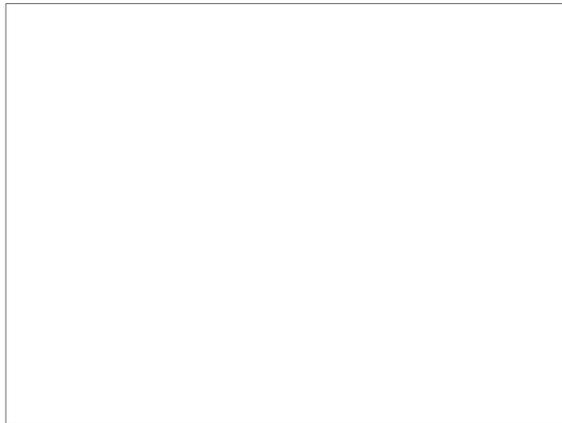
SECTION DETAIL- BLOCKHOUSE 1 6 SCALE: 1:10 A12



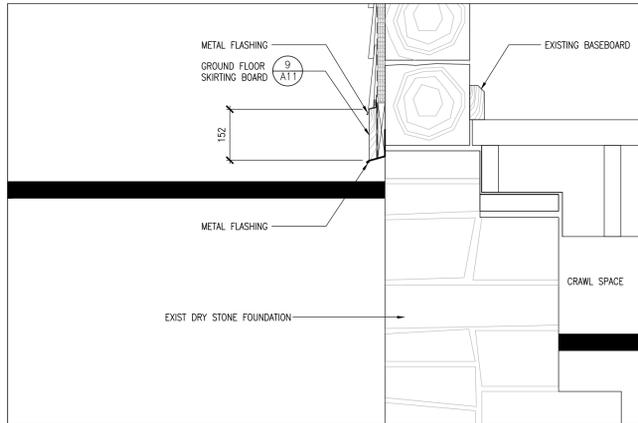
SECTION DETAIL - BLOCKHOUSE 2 AND 3 5 SCALE: 1:10 A12



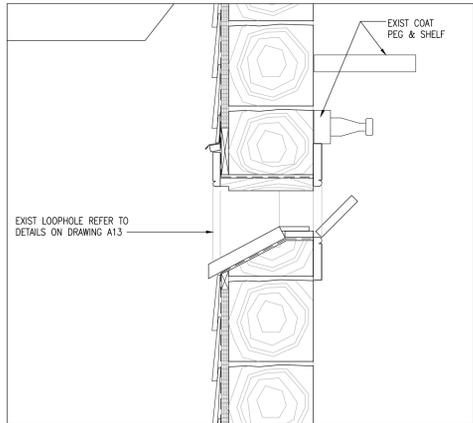
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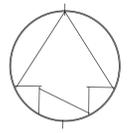
SECTION DETAIL 3 SCALE: 1:10 A12



SECTION DETAIL 2 SCALE: 1:10 A12



SECTION DETAIL 1 SCALE: 1:10 A12



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Linear dimensions in millimeters / Dimensions lineaires en millimetres



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PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record /
Type d'enregistrement

Project title / Titre du projet

FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin

BLOCKHOUSE No. 1, 2 & 3 DETAILS

Plot Scale / Echelle
AS NOTED

Drawn by/ Dessine par
C.M.E. Date
03/10/18

Field Recording by /
Releve-Termin par
C.M.E./B.K. Date
03/01/18

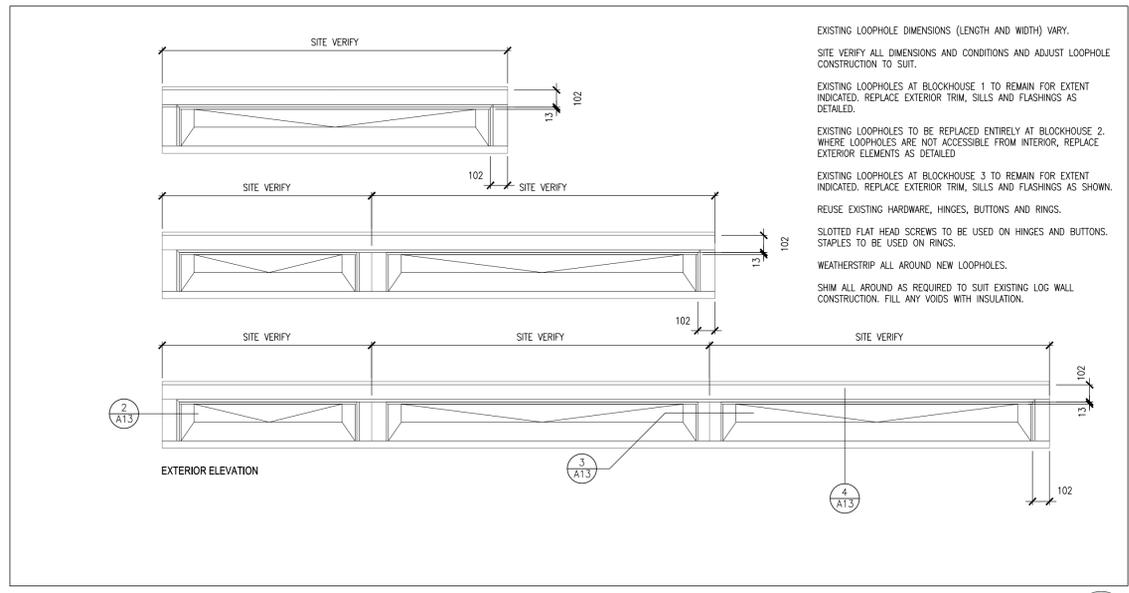
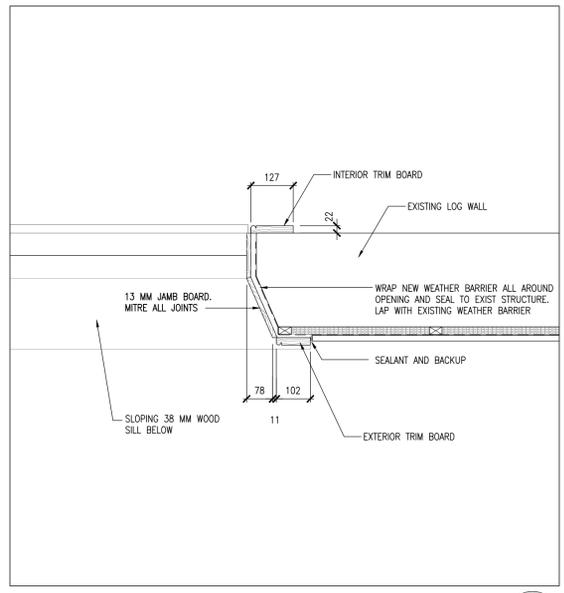
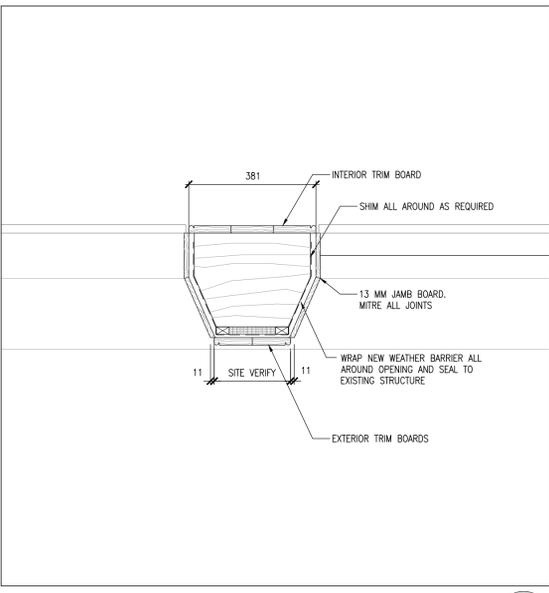
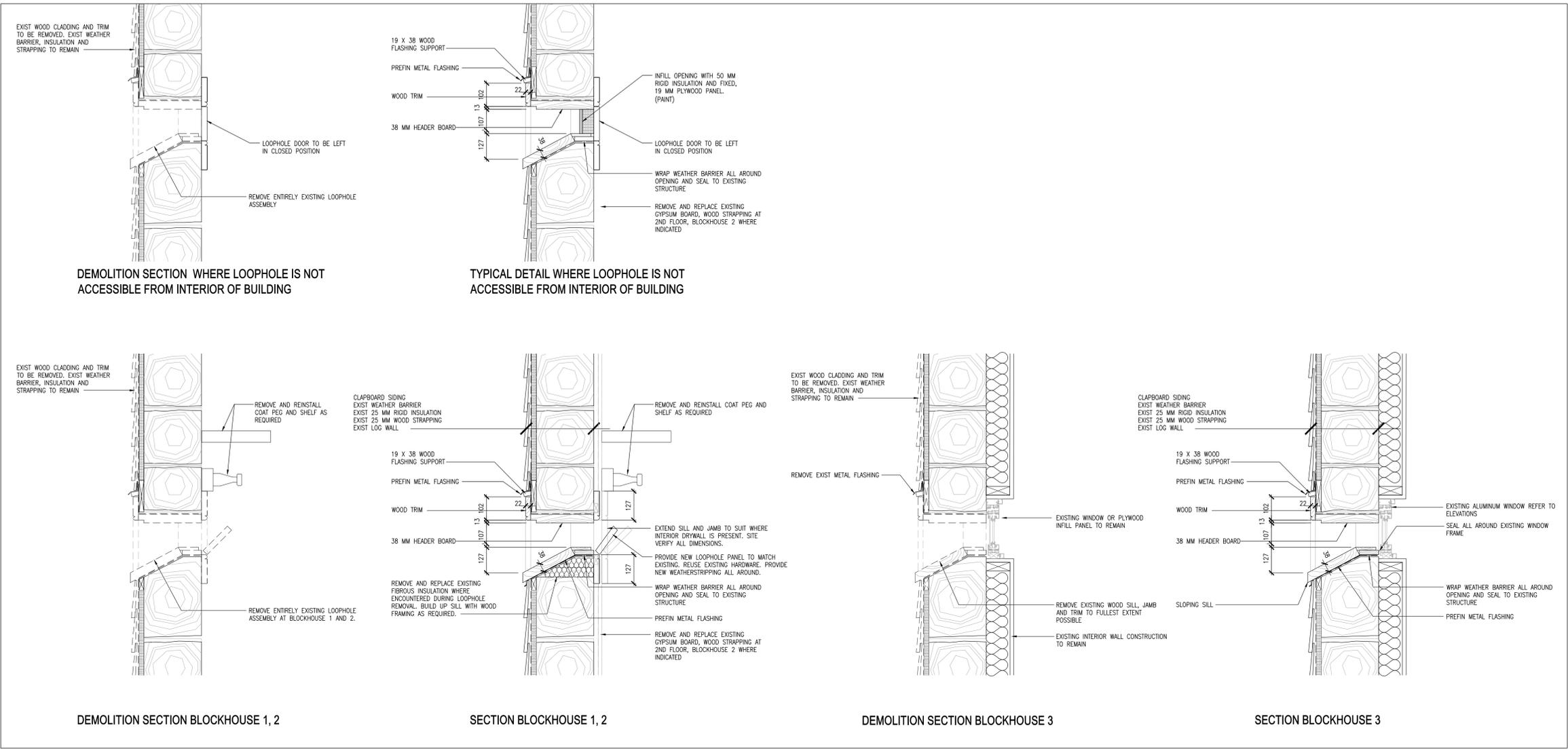
Approved by / Approuve par
CE Date
07/11/18

Checked by/ Verifie par
CE Date
07/11/18

Project No./ No. du projet
PRO001504 Asset No.
1201179, 1202266, 1202267 Sheet No./
Feuille No.

Drawing Re No./No. du Dessin
??

A12



BARRY BRYAN ASSOCIATES
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 e-mail: barry@bba-whitby.com

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Project title / Titre du projet
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Drawing title / Titre du dessin
BLOCKHOUSE No. 1, 2 & 3 DETAILS

Plot Scale / Echelle
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 C.M.E. Date 03/10/18

Field Recording by / Releve-Terminé par
 C.M.E./B.K. Date 03/01/18

Approved by / Approuve par
 CE Date 07/11/18

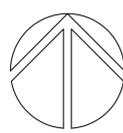
Checked by/ Verifie par
 CE Date 07/11/18

Project No./ No. du projet
 PRO001504

Asset No. 1201179, 1202266, 1202267
 Sheet No./ Feuille No. **A13**

Drawing Re No./No. du Dessin
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NORTH



STAMP




DRAWING NO. DRAWING NAME

REFERENCE DRAWINGS

#	DATE	DESCRIPTION	Drawn	Approved
2	JUL./11/18	ISSUED FOR TENDER	K.E.R.	R.J.V.
1	JUN./26/18	ISSUED FOR 100% REVIEW	K.E.R.	R.J.V.
0	MAY/18/18	ISSUED FOR 90% REVIEW	K.E.R.	R.J.V.

REVISIONS

A	B
A Detail number	A Numero de detail
B Sheet number	B Sur feuille numero

Linear dimensions in millimeters / Dimensions lineaires en millimetres

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 SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

Project title / Titre du projet
FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin
OVERALL SITEPLAN

Plot Scale / Echelle
 AS NOTED

Drawn by/ Dessine par K.E.R.	Date 04/12/18
Field Recording by / Releve-Temoin par R.J.V.	Date 03/15/18
Approved by / Approuve par R.J.V.	Date 07/11/18
Checked by/ Verifie par R.J.V.	Date 07/11/18

Project No./ No. du projet
 PRO001504

Asset No.

Sheet No./ Feuille No.
E1

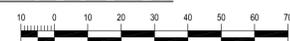
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NOTES

1 SEE ENLARGEMENT ON DRAWING E2.

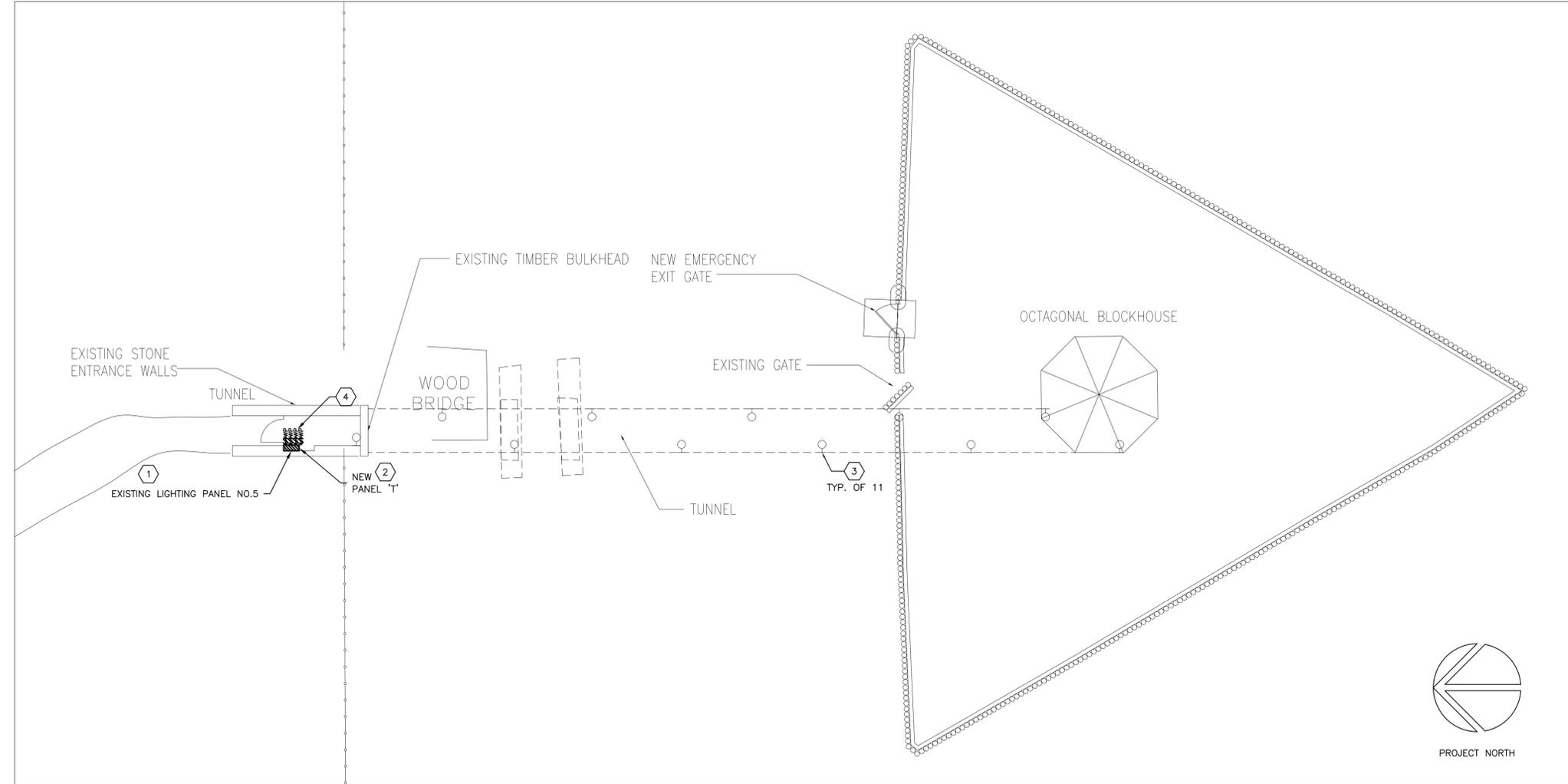
ELECTRICAL SITE PLAN

SCALE: 1:1000



NOTES

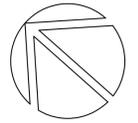
- 1 REMOVE EXISTING 12CCT, 120/208V, 1P, 3W LIGHTING PANEL NO.5 LOCATED IN RECESS IN THE WALL IN TUNNEL. RETAIN EXISTING FEEDER FROM PANEL LP-B IN MAIN ELECTRICAL ROOM IN BLOCKHOUSE NO.3. TRACE OUT FEEDER TO CONFIRM IT IS FED FROM BLOCK HOUSE NO.3 PANEL LP-B.
- 2 INSTALL NEW PANEL "T" IN TUNNEL. REUSE EXISTING FEEDER PREVIOUSLY FEEDING EXISTING LIGHTING PANEL NO.5 THAT WAS REMOVED. PROVIDE NEW NEMA TYPE 4 JUNCTION BOXES IN RECESS IN WALL IN FORMER LOCATION OF REMOVED LIGHTING PANEL NO.5 AS REQUIRED TO CONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL "T". INCLUDE FOR MAKING THE OPENING IN THE EXISTING STONE WALL LARGER TO ACCOMODATE THE NEW PANEL AND ENCLOSURE, LIGHT SWITCHES AND ANY REQUIRED JUNCTION BOXES. THE EXISTING OPENING IN THE WALL IS 16" WIDE x 22" HIGH x 4" DEEP. THE BOTTOM OF THE OPENING IS 55" ABOVE THE TUNNEL FLOOR. THE NEMA 3R PANEL SHALL BE INSTALLED IN A SEPARATE NEMA 4 ENCLOSURE.
- 3 APPROXIMATE LOCATION OF EXISTING WALL MOUNTED TUNNEL LIGHTING. THERE ARE A TOTAL OF 11 LIGHTS IN THE TUNNEL.
- 4 PROVIDE FOUR (4) NEW WEATHERPROOF LIGHT SWITCHES TO CONTROL EXISTING TUNNEL LIGHTING AND LIGHTING IN POWDER MAGAZINE. INSTALL IN ENLARGED RECESS IN THE WALL BESIDE THE NEW PANEL "T".



1 ELECTRICAL SITE PLAN ENLARGEMENT
 E2 SCALE 1:100
 1000 0 1000 2000 3000 4000 5000 6000 7000 mm

KEL PROJECT NO. 6215

NORTH



STAMP



DRAWING NO. DRAWING NAME

REFERENCE DRAWINGS

#	DATE	DESCRIPTION	Drawn	Approved
2	JUL./11/18	ISSUED FOR TENDER	K.E.R.	R.J.V.
1	JUN./26/18	ISSUED FOR 100% REVIEW	K.E.R.	R.J.V.
0	MAY/18/18	ISSUED FOR 90% REVIEW	K.E.R.	R.J.V.

REVISIONS

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**FORT GEORGE BLOCKHOUSE
 RESTORATION PROJECT**

Drawing title / Titre du dessin
OCTAGONAL BLOCKHOUSE

Plot Scale / Echelle
 AS NOTED

Drawn by / Dessine par	Date
K.E.R.	04/12/18
Field Recording by / Releve-Temoin par	Date
R.J.V.	03/15/18
Approved by / Approuve par	Date
R.J.V.	07/11/18
Checked by / Verifie par	Date
R.J.V.	07/11/18

Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
PRO001504	1202270	E2
Drawing Re No./No. du Dessin		

EXISTING LIGHT FIXTURE SCHEDULE			
FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL NO.
W1	EXISTING 18" LONG LED LUMINAIRE SUITABLE FOR WET LOCATIONS, 8W/FT, 400 LUMENS/FOOT, 30 DEGREES BEAM ANGLE, WARM WHITE 3500°K CCT C/W ROTATIONAL ADJUSTABLE BRACKET TYPE VLA-14.	I2 SYSTEMS	V3285-A-8-3-CEC GEN 3 MINIWASHER
F1	EXISTING 9" DIAMETER ARCHITECTURAL LED FLOODLIGHT WHITE COLOUR WIDE FLOOD DISTRIBUTION, 3500K COLOUR TEMPERATURE 4500-5000 LUMENS, NO DIMMING, C/W HALF-LIGHT SHIELD AND YOKE STRAP MOUNTING.	VISTA PROFESSIONAL OUTDOOR LIGHTING	1059-W-WF-35-G-MV-ND-HS

LEGEND OF SYMBOLS	
\$	S.P.S.T. LOCAL TOGGLE SWITCH
	PANELBOARD - RECESSED OR SURFACE MOUNTED
WP	DENOTES WEATHERPROOF
	SECURITY SYSTEM CONCEALED
	WALL MOUNTED
	EXISTING JUNCTION BOX
	EXISTING LED STRIP DRIVERS IN NEMA3 BOX
	EXISTING OUTDOOR LED STRIP LIGHT FIXTURE
	EXISTING PANEL BOARD
F1	EXISTING LED OUTDOOR FLOODLIGHT

NEW PANEL 'T'									
120/208V, 1 PHASE, 3 WIRE, 125A BUS, 12 CIRCUIT, BOLT-ON BREAKERS, NEMA 3R, SURFACE MOUNTED									
DESCRIPTION	LOAD	BKR	CCT	CCT	BKR	LOAD	DESCRIPTION		
x	x	x	1	2	x	x	x		
x	x	x	3	4	x	x	x		
TUNNEL LIGHTS	x	*15A	5	6	15A	x	SPARE		
TUNNEL LIGHTS	x	*15A	7	8	15A	x	SPARE		
POWDER MAGAZINE LTS	x	*20A	9	10	x	x	x		
POWDER MAGAZINE LTS	x	*20A	11	12	x	x	x		

* INDICATES GFI PROTECTED BREAKER
C/W 100A MAIN BREAKER ()

KE
KIRKLAND ENGINEERING LTD.

KEL PROJECT NO. 6215



NORTH

STAMP

DRAWING NO. DRAWING NAME

REFERENCE DRAWINGS

#	DATE	DESCRIPTION	Drawn	Approved
2	JUL./11/18	ISSUED FOR TENDER	K.E.R.	R.J.V.
1	JUN./26/18	ISSUED FOR 100% REVIEW	K.E.R.	R.J.V.
0	MAY/18/18	ISSUED FOR 90% REVIEW	K.E.R.	R.J.V.

REVISIONS

A	B	A	B
A	B	Detail number	Numero de detail
A	B	Sheet number	Sur feuille numero

Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record /
Type d'enregistrement

Project title / Titre du projet

**FORT GEORGE BLOCKHOUSE
RESTORATION PROJECT**

Drawing title / Titre du dessin

**SINGLE LINE DIAGRAM,
LEGEND, SCHEDULES
AND DETAILS**

Plot Scale / Echelle

AS NOTED

Drawn by/ Dessine par
K.E.R. Date
04/12/18

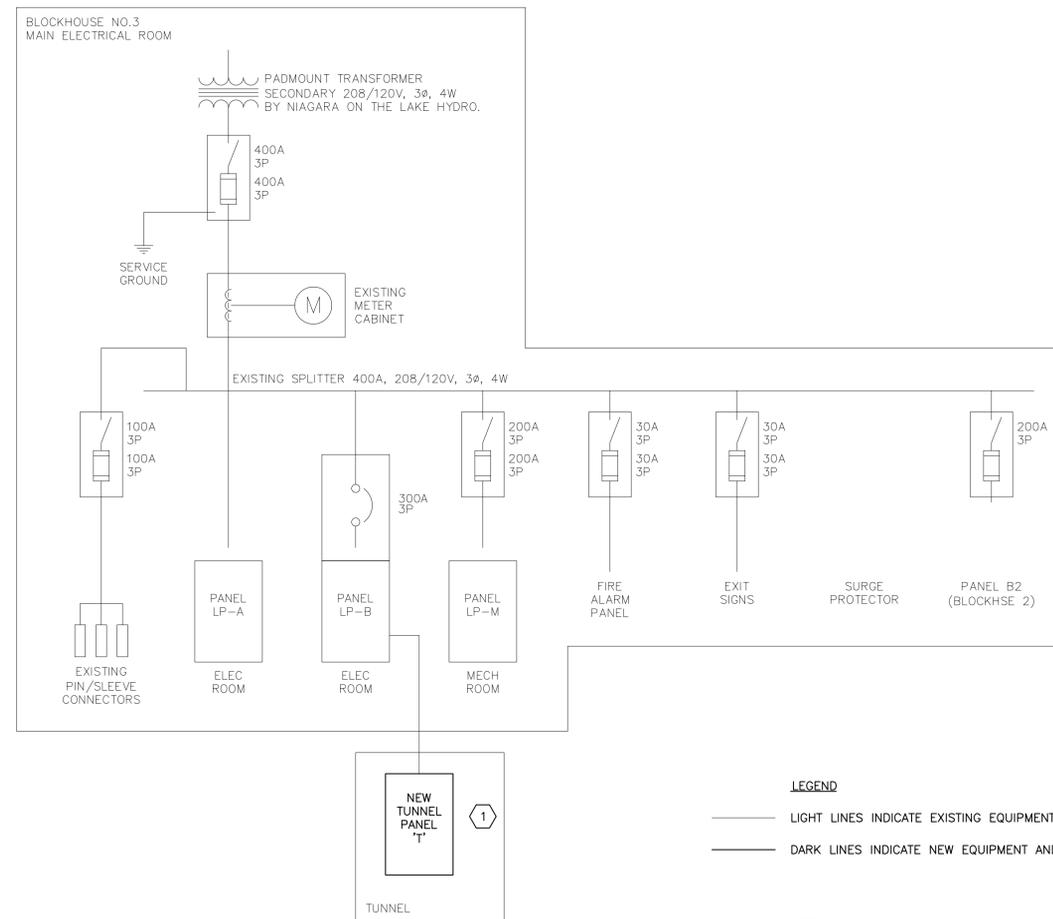
Field Recording by /
Releve-Temoin par
R.J.V. Date
03/15/18

Approved by / Approuve par
R.J.V. Date
07/11/18

Checked by/ Verifie par
R.J.V. Date
07/11/18

Project No./ No. du projet
PRO001504 Asset No.

Sheet No./
Feuille No.
E3



1 SINGLE LINE DIAGRAM
SCALE: N.T.S.

LEGEND

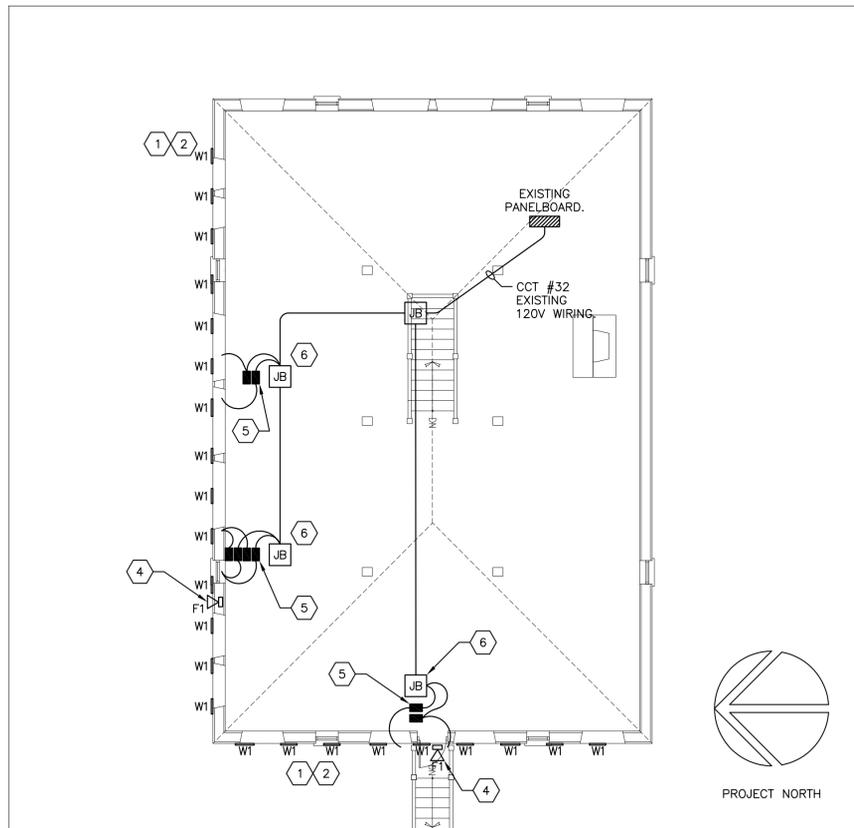
— LIGHT LINES INDICATE EXISTING EQUIPMENT AND FEEDERS
— DARK LINES INDICATE NEW EQUIPMENT AND FEEDERS

NOTES

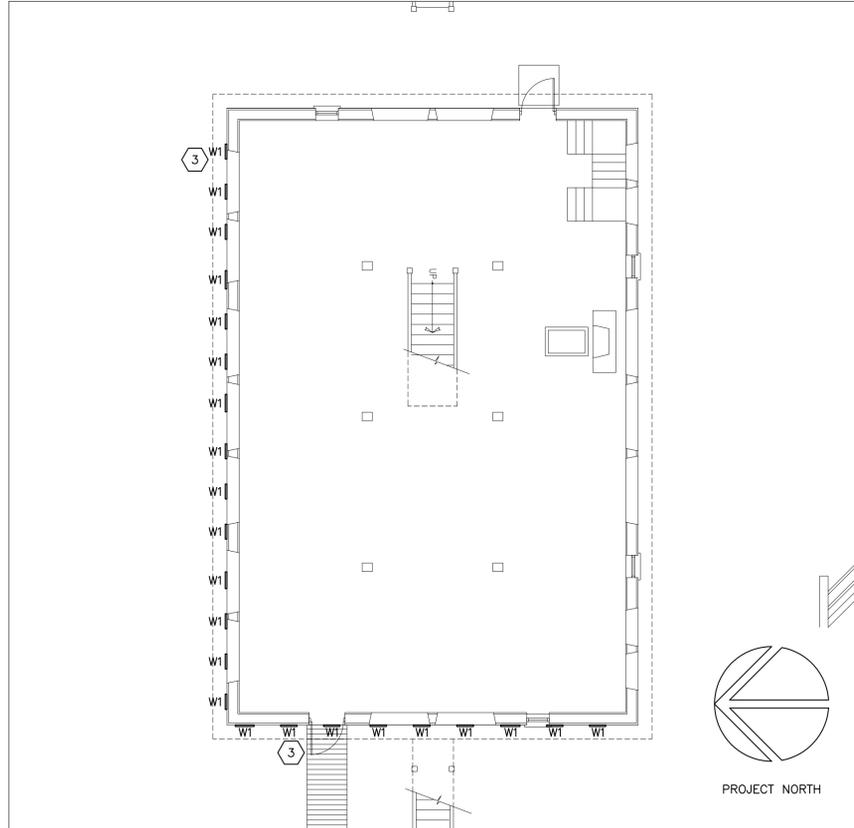
1 REMOVE EXISTING LIGHTING PANEL NO.5 IN TUNNEL. RETAIN EXISTING FEEDER FROM PANEL LP-B. CONFIRM FEEDER IS FROM LP-B AND MEGGER FEEDER TO CONFIRM INTEGRITY OF FEEDER. INSTALL NEW PANEL 'T' IN TUNNEL IN APPROXIMATELY THE SAME PLACE AS EXISTING LIGHTING PANEL NO.5.

NOTES

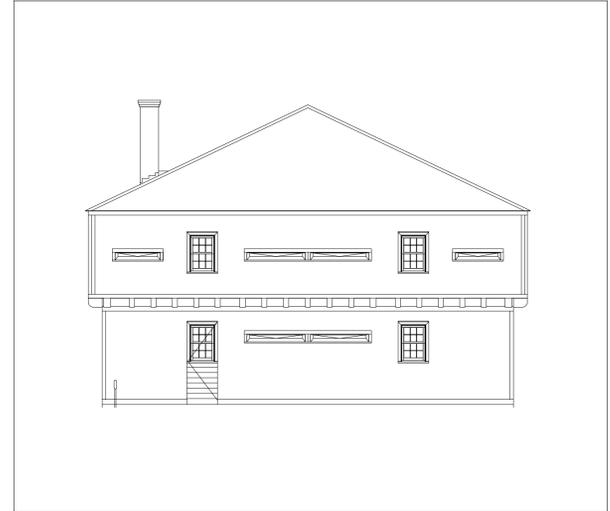
- 1 CAREFULLY REMOVE 23 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' AS SHOWN AT TOP OF NORTH AND WEST WALLS BELOW THE ROOF TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURES AND REINSTALL ONCE NEW SIDING IS INSTALLED.
- 2 REMOVE EXISTING WIRING FEEDING FIXTURES TO BE REMOVED TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY DOCUMENT EXISTING WIRING CONFIGURATION PRIOR TO REMOVAL OF WIRING SO THAT EXISTING WIRING CONFIGURATION CAN BE REINSTATED ONCE NEW SIDING IS INSTALLED AND FIXTURES ARE REINSTALLED. PROVIDE ALL NEW WIRING TO REINSTALLED LIGHT FIXTURES.
- 3 23 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' AS SHOWN BELOW THE SECOND FLOOR OVERHANG ON THE NORTH AND WEST WALLS ARE TO REMAIN. PROTECT FIXTURES DURING INSTALLATION OF NEW SIDING.
- 4 CAREFULLY REMOVE TWO EXISTING LED FLOOD LIGHT FIXTURES TYPE 'F1' AT TOP OF NORTH AND WEST WALLS (ONE ON NORTH WALL AND ONE ON WEST WALL) TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURES AND REINSTALL ONCE NEW SIDING IS INSTALLED CAREFULLY PROTECT EXISTING WIRING FOR REUSE.
- 5 LOCATION OF EXISTING LED DRIVERS IN ACCESSIBLE ATTIC SPACE. RECONNECT NEW WIRING FOR REINSTALLED EXTERIOR LED STRIP FIXTURES TO EXISTING DRIVERS IN ATTIC SPACE.
- 6 LOCATION OF EXISTING 120V JUNCTION BOXES.



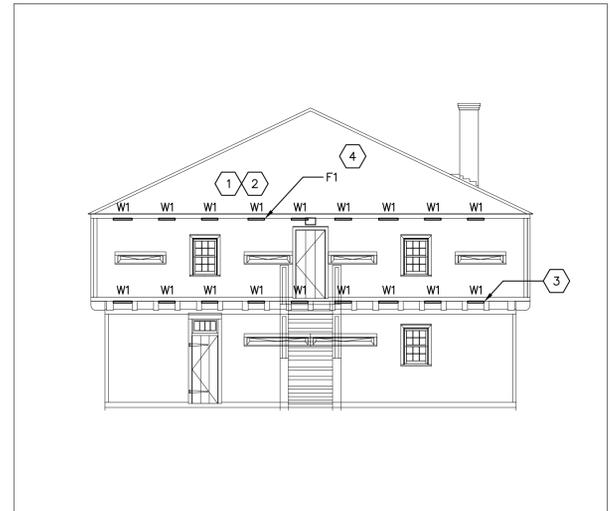
3 SECOND FLOOR PLAN
E4 SCALE 1:100



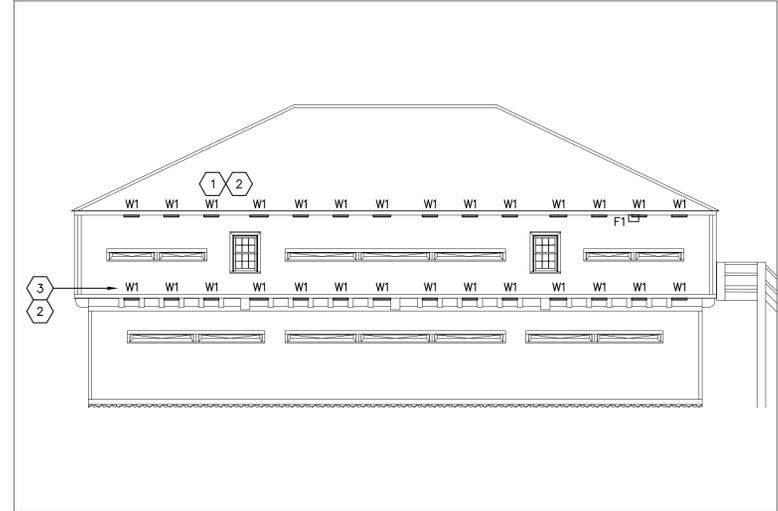
4 GROUND FLOOR PLAN
E4 SCALE 1:100



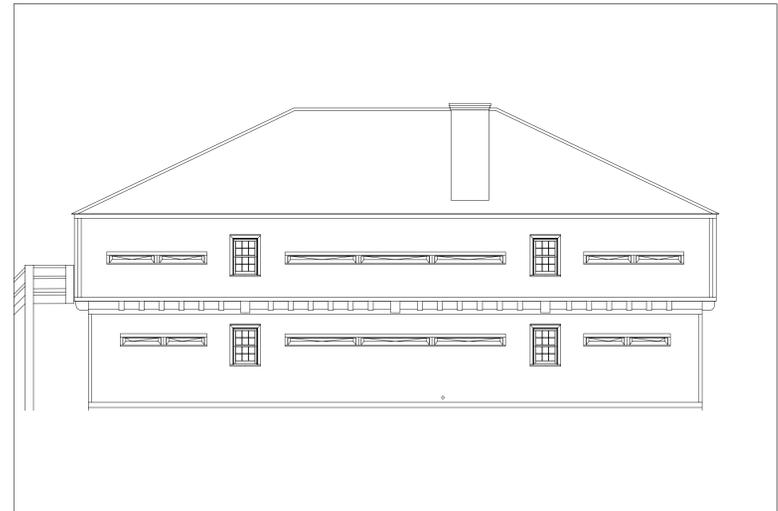
1 EAST ELEVATION
E4 SCALE 1:100



2 WEST ELEVATION
E4 SCALE 1:100



5 NORTH ELEVATION
E4 SCALE 1:100



6 SOUTH ELEVATION
E4 SCALE 1:100

NORTH

STAMP

DRAWING NO.	DRAWING NAME
REFERENCE DRAWINGS	
2	JUL./11/18 ISSUED FOR TENDER K.E.R. R.J.V.
1	JUN./26/18 ISSUED FOR 100% REVIEW K.E.R. R.J.V.
0	MAY/18/18 ISSUED FOR 90% REVIEW K.E.R. R.J.V.
#	DATE DESCRIPTION Drawn Approved Dessine Approuve

REVISIONS			
A	A Detail number	A Numero de detail	
B	B Sheet number	B Sur feuille numero	

Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record /
Type d'enregistrement

Project title / Titre du projet

**FORT GEORGE BLOCKHOUSE
RESTORATION PROJECT**

Drawing title / Titre du dessin

**BLOCKHOUSE NO.1
PLANS AND ELEVATIONS**

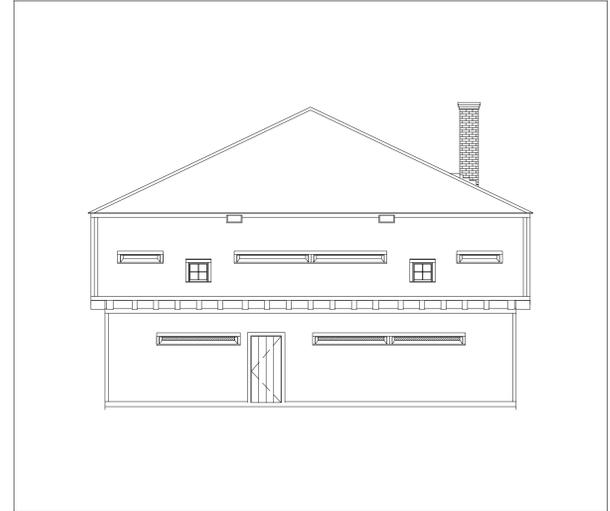
Plot Scale / Echelle
AS NOTED

Drawn by/ Dessine par K.E.R.	Date 04/12/18
Field Recording by / Releve-Temoin par R.J.V.	Date 03/15/18
Approved by / Approuve par R.J.V.	Date 07/11/18
Checked by/ Verifie par R.J.V.	Date 07/11/18

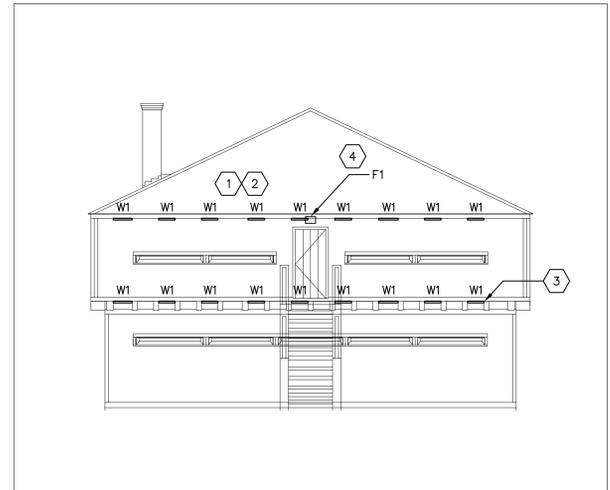
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Drawing Re No./No. du Dessin		

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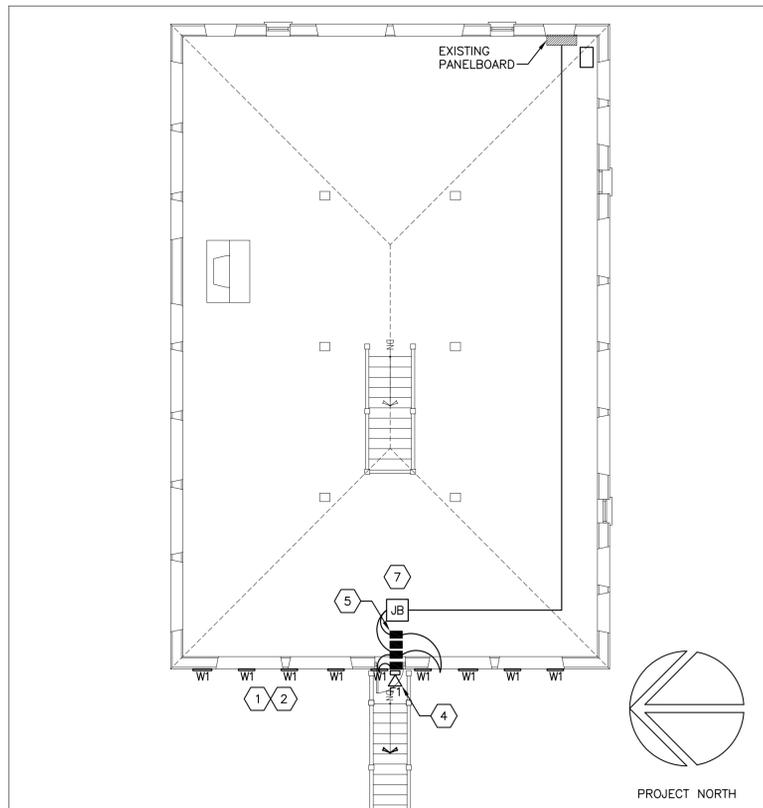
- 1 CAREFULLY REMOVE 9 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' AS SHOWN AT TOP OF WEST WALL BELOW THE ROOF TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURES AND REINSTALL ONCE NEW SIDING IS INSTALLED.
- 2 REMOVE EXISTING WIRING FEEDING FIXTURES TO BE REMOVED TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY DOCUMENT EXISTING WIRING CONFIGURATION AND TYPE PRIOR TO REMOVAL OF WIRING SO THAT EXISTING WIRING CONFIGURATION CAN BE REINSTATED ONCE NEW SIDING IS INSTALLED AND LIGHT FIXTURES ARE REINSTALLED. PROVIDE ALL NEW WIRING TO REINSTALLED LIGHT FIXTURES.
- 3 9 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' BELOW THE SECOND FLOOR OVERHANG ON THE WEST WALL TO REMAIN. PROTECT FIXTURES DURING INSTALLATION OF NEW SIDING.
- 4 CAREFULLY REMOVE ONE EXISTING LED FLOOD LIGHT FIXTURES TYPE 'F1' AT TOP OF WEST WALL TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURE AND REINSTALL ONCE NEW SIDING IS INSTALLED CAREFULLY PROTECT EXISTING WIRING FOR REUSE.
- 5 LOCATION OF EXISTING LED DRIVERS IN ACCESSIBLE ATTIC SPACE. RECONNECT NEW WIRING FOR REINSTALLED EXTERIOR LED STRIP FIXTURES TO EXISTING DRIVERS IN ATTIC SPACE.
- 6 SEE ELECTRICAL ROOM ENLARGEMENT DETAILS ON THIS SHEET.
- 7 LOCATION OF EXISTING 120V JUNCTION BOXES.



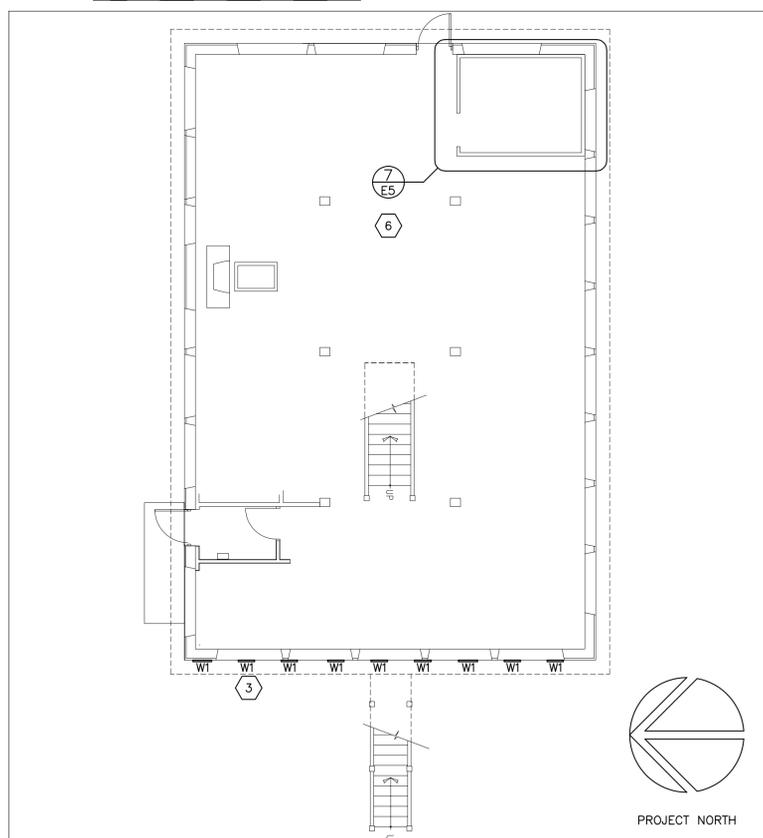
1 EAST ELEVATION
SCALE 1:100



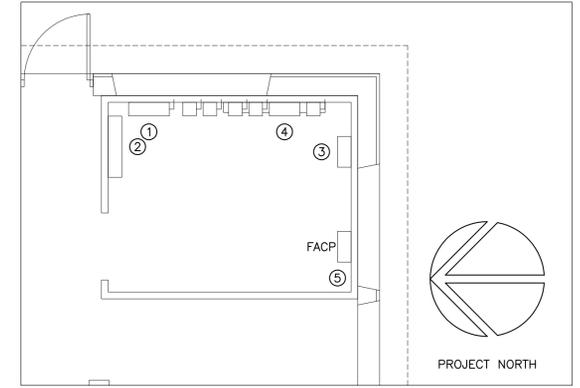
2 WEST ELEVATION
SCALE 1:100



3 SECOND FLOOR PLAN
SCALE 1:100

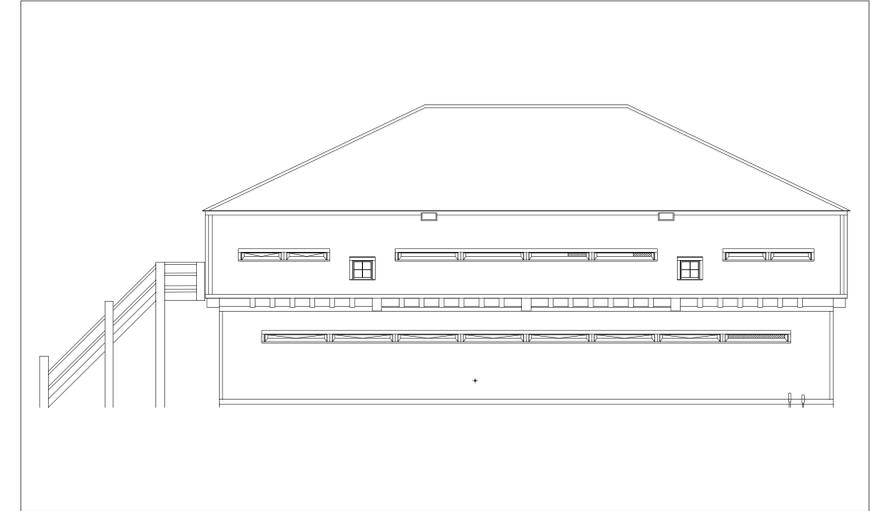


4 GROUND FLOOR PLAN
SCALE 1:100

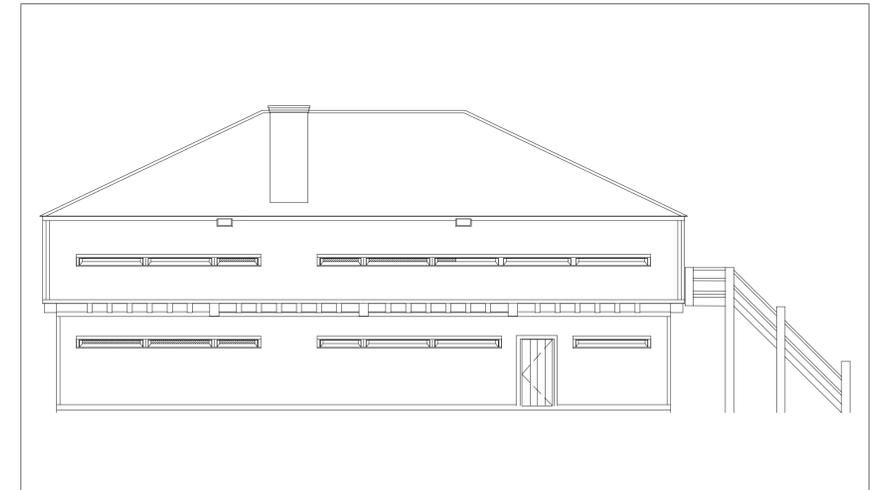


- ELECTRICAL ROOM EQUIPMENT LIST
- 1 EXISTING MAIN SWITCH
 - 2 EXISTING METER CABINET
 - 3 EXISTING PANEL 'LP-B'
 - 4 EXISTING PANEL 'LP-A'
 - 5 EXISTING FIRE ALARM PANEL

7 ELECTRICAL ROOM ENLARGEMENT
SCALE 1:50



5 NORTH ELEVATION
SCALE 1:100



6 SOUTH ELEVATION
SCALE 1:100

KEL PROJECT NO. 6215

NORTH

STAMP

LICENSED PROFESSIONAL ENGINEER
R.J. VOS
7122/11/18
PROVINCE OF ONTARIO
ELECTRICAL BCIN 23406

DRAWING NO.	DRAWING NAME			
REFERENCE DRAWINGS				
#	DATE	DESCRIPTION	Drawn	Approved
2	JUL./11/18	ISSUED FOR TENDER	K.E.R.	R.J.V.
1	JUN./26/18	ISSUED FOR 100% REVIEW	K.E.R.	R.J.V.
0	MAY/18/18	ISSUED FOR 90% REVIEW	K.E.R.	R.J.V.

REVISIONS			
A	B	A	B
A	A	Detail number	Numero de detail
B	B	Sheet number	Sur feuille numero

Linear dimensions in millimeters / Dimensions lineaires en millimetres

Parcs Canada / Parks Canada

Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

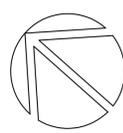
Project title / Titre du projet
FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin
BLOCKHOUSE NO.3 PLANS AND ELEVATIONS

Plot Scale / Echelle AS NOTED	
Drawn by/ Dessine par K.E.R.	Date 04/12/18
Field Recording by / Releve-Temoin par R.J.V.	Date 03/15/18
Approved by / Approuve par R.J.V.	Date 07/11/18
Checked by/ Verifie par R.J.V.	Date 07/11/18

Project No./ No. du projet PRO001504	Asset No. 1201179	Sheet No./ Feuille No. E5
Drawing Re No./No. du Dessin		

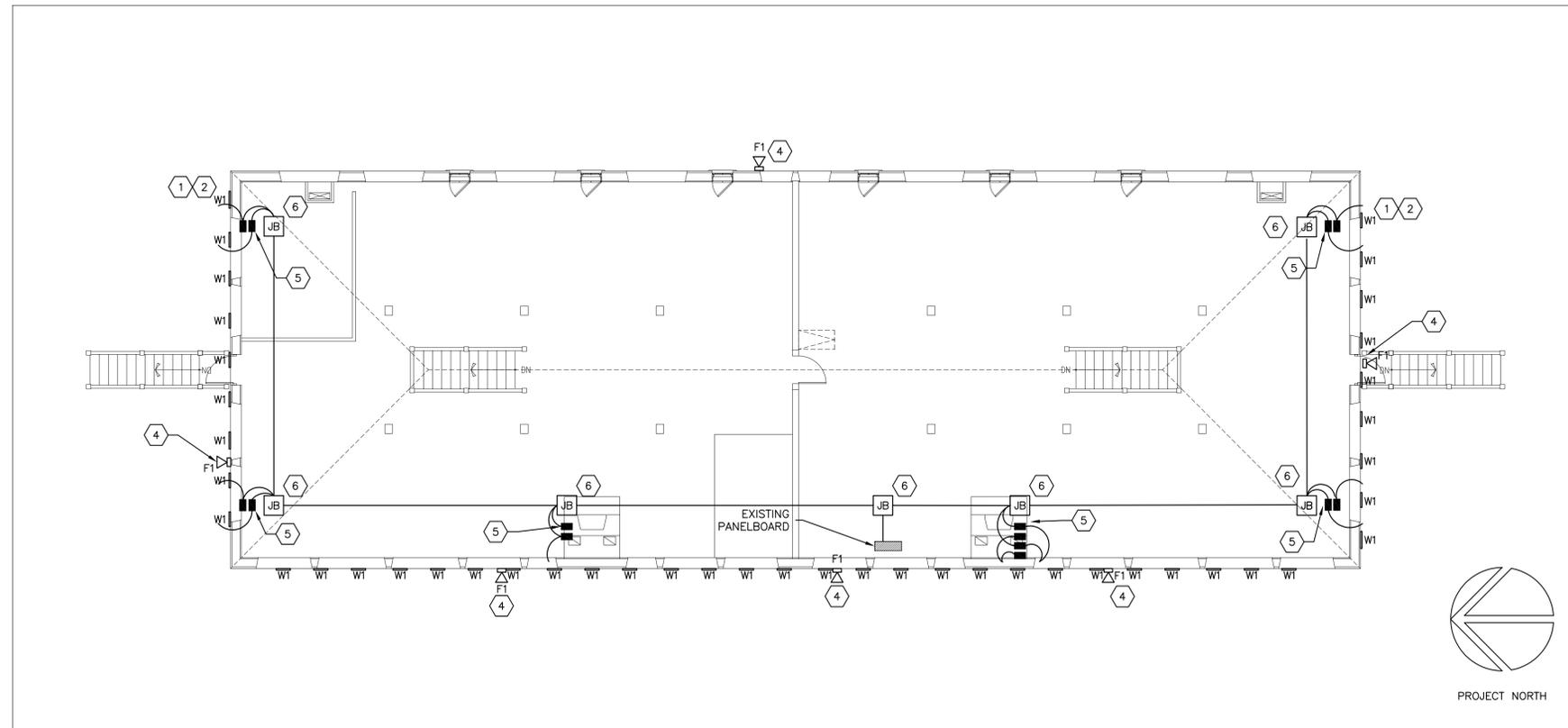
NORTH



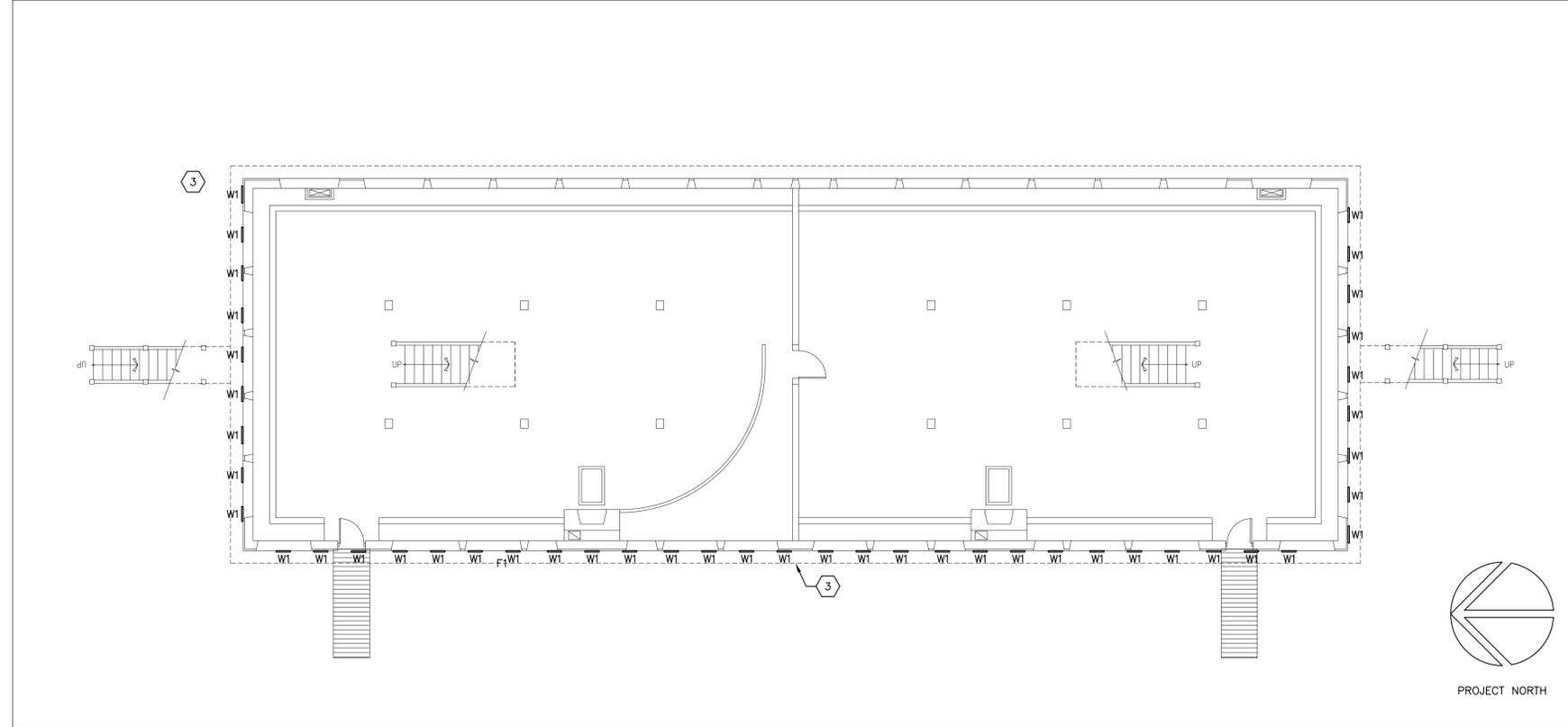
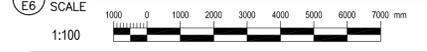
STAMP



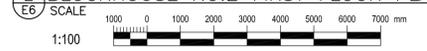
- NOTES**
- ① CAREFULLY REMOVE 48 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' AS SHOWN AT TOP OF NORTH, SOUTH AND WEST WALLS BELOW THE ROOF TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURES AND REINSTALL ONCE NEW SIDING IS INSTALLED.
 - ② REMOVE EXISTING WIRING FEEDING FIXTURES TO BE REMOVED TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY DOCUMENT EXISTING WIRING CONFIGURATION AND TYPE PRIOR REMOVAL TO SO THAT EXISTING WIRING CONFIGURATION CAN BE REINSTATED ONCE NEW SIDING IS INSTALLED. PROVIDE ALL NEW WIRING TO REINSTALLED LIGHT FIXTURES.
 - ③ 48 EXISTING LED EXTERIOR STRIP FIXTURES TYPE 'W1' AS SHOWN BELOW THE SECOND FLOOR OVERHANG ON THE NORTH, SOUTH AND WEST WALLS TO REMAIN. PROTECT FIXTURES ARE TO BE DURING INSTALLATION OF NEW SIDING.
 - ④ CAREFULLY REMOVE FIVE EXISTING LED FLOOD LIGHT FIXTURES TYPE 'F1' AS SHOWN AT TOP OF WALL (THERE ARE THREE ON THE WEST WALL AND ONE EACH ON THE NORTH AND SOUTH WALLS) TO PERMIT INSTALLATION OF NEW WOOD SIDING. CAREFULLY STORE REMOVED FIXTURES AND REINSTALL ONCE NEW SIDING IS INSTALLED. CAREFULLY PROTECT EXISTING WIRING FOR REUSE.
 - ⑤ LOCATION OF EXISTING LED DRIVERS IN ACCESSIBLE ATTIC SPACE. RECONNECT NEW WIRING FOR REINSTALLED EXTERIOR LED STRIP FIXTURES TO EXISTING DRIVERS IN ATTIC SPACE.
 - ⑥ LOCATION OF EXISTING 120V JUNCTION BOXES.



① BLOCKHOUSE NO.2 SECOND FLOOR PLAN



② BLOCKHOUSE NO.2 FIRST FLOOR PLAN



DRAWING NO.	DRAWING NAME			
REFERENCE DRAWINGS				
2	JUL./11/18 ISSUED FOR TENDER K.E.R. R.J.V.			
1	JUN./26/18 ISSUED FOR 100% REVIEW K.E.R. R.J.V.			
0	MAY/18/18 ISSUED FOR 90% REVIEW K.E.R. R.J.V.			
#	DATE	DESCRIPTION	Drawn	Approved
			Dessine	Approuve

REVISIONS			
A	Detail number	A Numero de detail	
B	Sheet number	B Sur feuille numero	

Linear dimensions in millimeters / Dimensions lineaires en millimetres



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PARKS CANADA
 SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

Project title / Titre du projet
FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin
BLOCKHOUSE NO.2 PLANS

Plot Scale / Echelle
 AS NOTED

Drawn by/ Dessine par
 K.E.R. Date 04/12/18

Field Recording by / Releve-Temoin par
 R.J.V. Date 03/15/18

Approved by / Approuve par
 R.J.V. Date 07/11/18

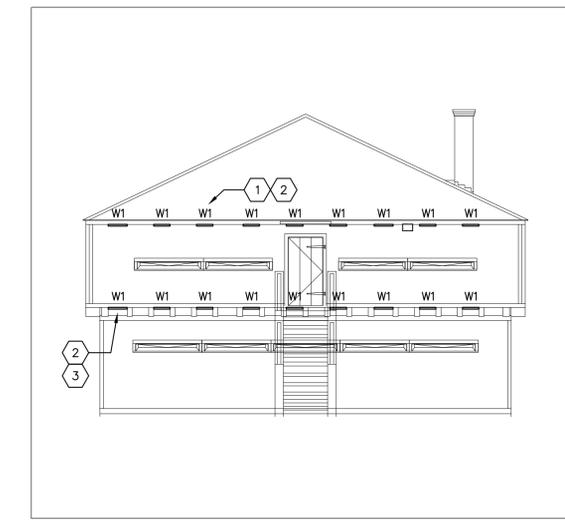
Checked by/ Verifie par
 R.J.V. Date 07/11/18

Project No./ No. du projet PRO001504	Asset No. 1202267	Sheet No./ Feuille No. E6
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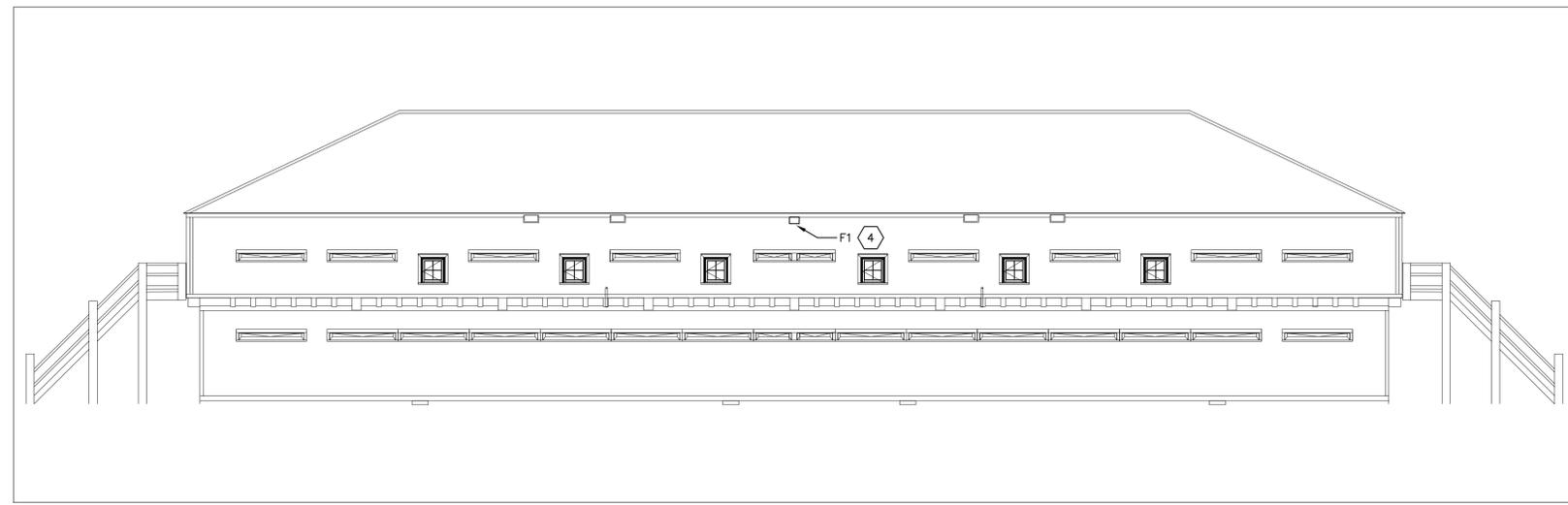
Drawing Re No./No. du Dessin

NORTH

STAMP

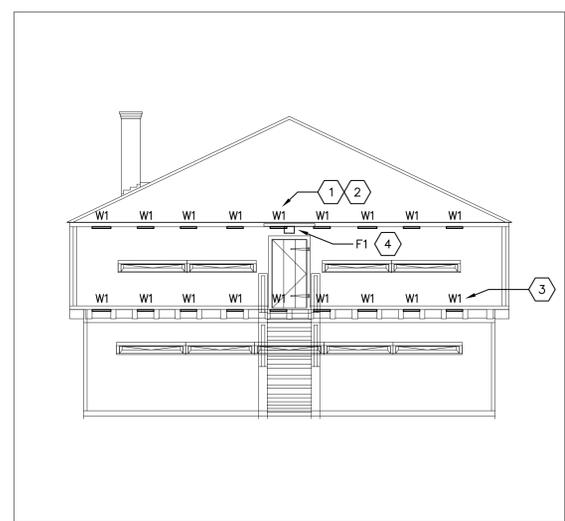


4 NORTH ELEVATION
 SCALE 1:100

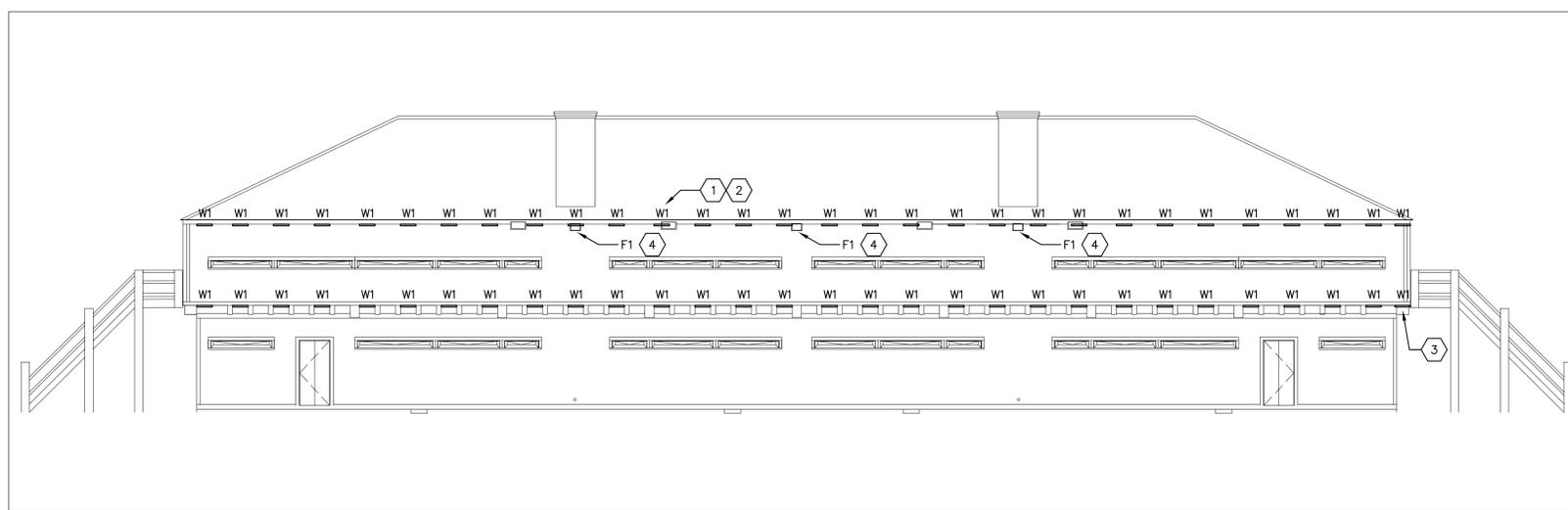


1 EAST ELEVATION
 SCALE 1:100

- NOTES**
- 1 SEE NOTE 1 ON DRAWING E6.
 - 2 SEE NOTE 2 ON DRAWING E6.
 - 3 SEE NOTE 3 ON DRAWING E6.
 - 4 SEE NOTE 4 ON DRAWING E6.



3 SOUTH ELEVATION
 SCALE 1:100



2 WEST ELEVATION
 SCALE 1:100

DRAWING NO.		DRAWING NAME	
REFERENCE DRAWINGS			
2	JUL./11/18	ISSUED FOR TENDER	K.E.R. R.J.V.
1	JUN./26/18	ISSUED FOR 100% REVIEW	K.E.R. R.J.V.
0	MAY/18/18	ISSUED FOR 90% REVIEW	K.E.R. R.J.V.
#	DATE	DESCRIPTION	Drawn Approved Dessine Approuve

REVISIONS			
A	A Detail number	A Numero de detail	
B	B Sheet number	B Sur feuille numero	

Linear dimensions in millimeters / Dimensions lineaires en millimetres



Canada

PARKS CANADA
SOUTHWESTERN ONTARIO FIELD UNIT

Type of Record / Type d'enregistrement

Project title / Titre du projet
FORT GEORGE BLOCKHOUSE RESTORATION PROJECT

Drawing title / Titre du dessin
BLOCKHOUSE NO.2 ELEVATIONS

Plot Scale / Echelle		AS NOTED	
Drawn by / Dessine par	Date		
K.E.R.	04/12/18		
Field Recording by / Releve-Temoin par	Date		
R.J.V.	03/15/18		
Approved by / Approuve par	Date		
R.J.V.	07/11/18		
Checked by / Verifie par	Date		
R.J.V.	07/11/18		

Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
PRO001504	1202267	E7
Drawing Re No./No. du Dessin		