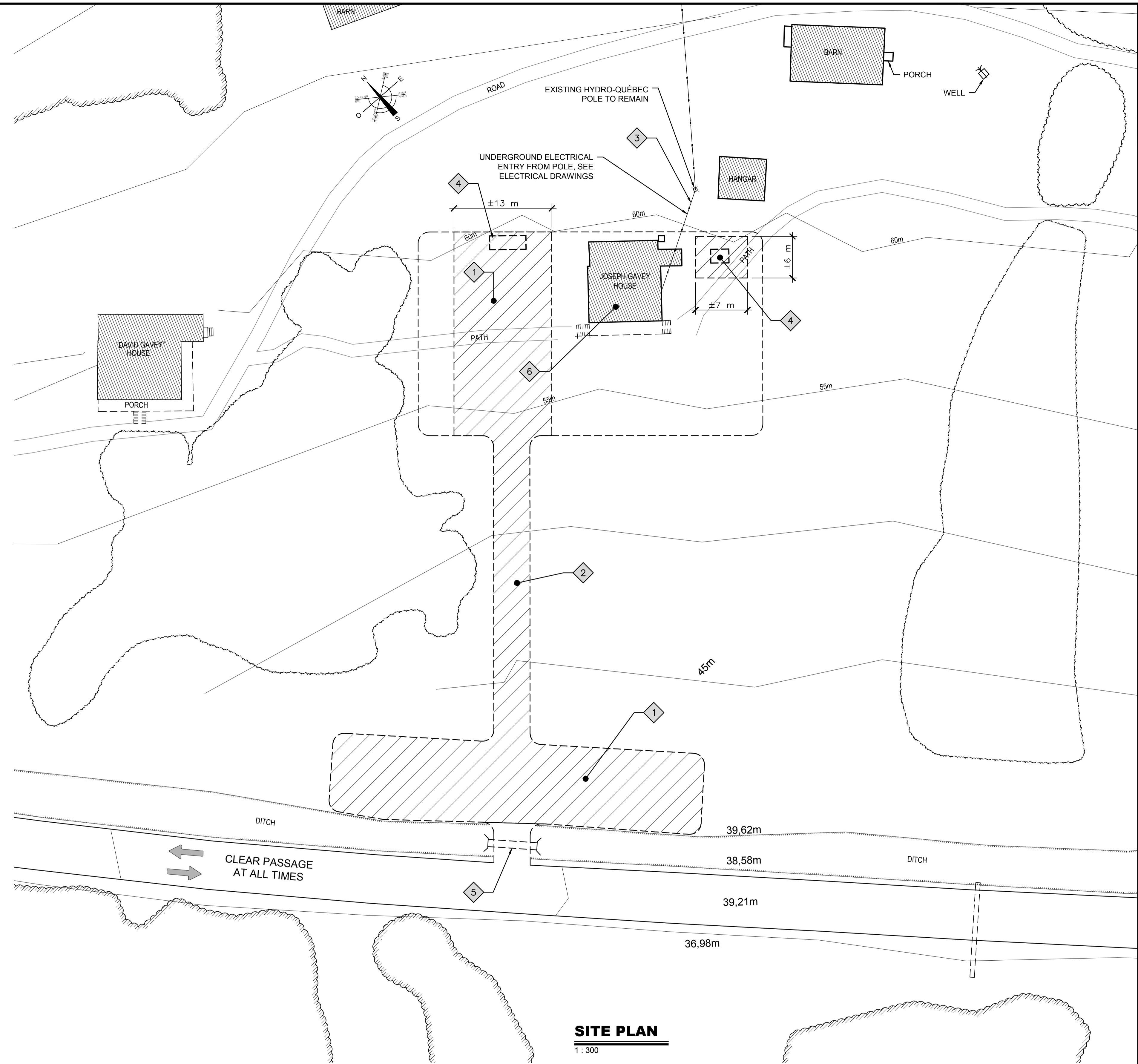


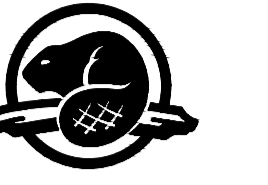
CONSTRUCTION NOTES:

- 1 STORAGE ZONE, SITE TRAILERS, WORKS, PARKING ETC. SEE ARCHITECTURAL AND TEMPORARY ROAD SECTION ON SHEET C03.
- 2 SITE ACCESS ROAD, SEE TEMPORARY ROAD TYPICAL SECTION ON SHEET C03.
- 3 AERIAL CABLES BETWEEN HOUSE AND FIRST POLE TO BE UNDERGROUND. ALLOW FOR NEW TRENCH, FOR EXACT LOCATION, SEE MECHANICAL DRAWINGS.
- 4 ANNEX AND EXISTING DRUM TO BE RELOCATED FOR STRUCTURAL WORK AND REINSTALLED ON NEW FOUNDATION.
- 5 TEMPORARY CULVERT FOR SITE ACCESS.
- 6 CIVIL WORKS AROUND HOUSE, SEE SHEET C02.



SITE PLAN

1: 300



révisions revisions	description	date
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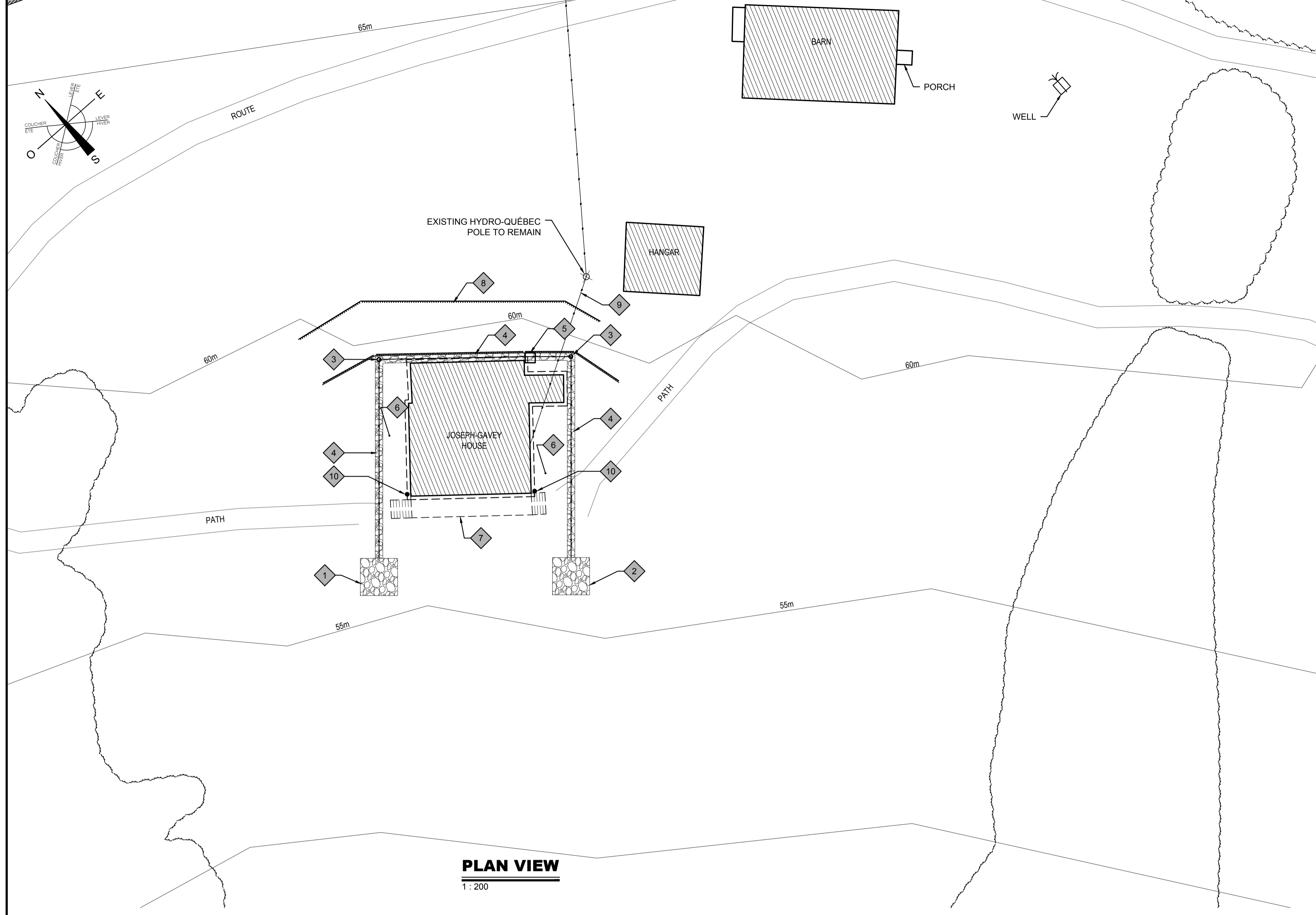
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Projet
 AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
 RÉFECTION DE LA MAISON
 JOSEPH-GAVEY
 PARKS CANADA
 FORILLON NATIONAL PARK
 GRANDE-GRAVE REGION
 RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin
 CIVIL
 PLAN DU SITE
 SITE PLAN

Conçu par	F. LABRIE	Designed By
Date		(yyyy/mm/dd)
Dessiné par	V. BOURQUE	Drawn By
Date		(yyyy/mm/dd)
Examiné par	M. BOUCHARD	Reviewed By
Date		(yyyy/mm/dd)
Approuvé par	M. BOUCHARD	Approved By
Date		(yyyy/mm/dd)

No. du projet	1817-2	Project no.
APC		PCA
No. du dessin	C01-GL-PLN-1817-2.DWG	Drawing no.
		C01



PLAN VIEW
1 : 200

CONSTRUCTION NOTES:

- 1 DRAINAGE BASSIN 3000x3000x±750 MIN. PER DETAIL, SEE SHEET C03
- 2 DRAINAGE BASSIN 3000x3000x±1800, SEE DETAIL ON SHEET C03
- 3 DRAIN ACCESS CHIMNEY, SEE DETAIL ON SHEET C03
- 4 TYPICAL DRAINAGE TRENCH, SEE DETAIL ON SHEET C03. ALLOW FOR MINIMAL DRAINAGE SLOPE OF 1% TO DRAINAGE BASSIN.
- 5 GUTTER RUNOFF CATCH BASIN ±800x800 (DRAINAGE TRENCH CONTINUITY). SEE TYPICAL DETAIL.
- 6 RE-PROFILE SECTOR IN ORDER TO ADD SLOPE TOWARDS DRAINAGE TRENCH.
- 7 EXISTING WOODEN PORCH TO DEMOLISH AND REBUILD, SEE STRUCTURAL DRAWINGS.
- 8 EXISTING BANK TO RE-PROFILE AFTER DRAINAGE TRENCH WORK
- 9 AERIAL SECTION OF CABLES BETWEEN HOUSE AND FIRST POLE TO BE BURRIED. FORESEE NEW TRENCH. FOR EXACT LOCATIONS, SEE MECHANICAL DRAWINGS.
- 10 Ø150mm NON-PERFORATED PIPE, TYPE 320kPa TO BRING GUTTER RUNOFF TOWARDS PERIMETER DRAIN.

* ALLOW FOR A MIN. 150mm OF TOP SOIL AND GRASS SOD IN ORDER TO MAKE ALL NECESSARY REPAIRS TO SITE (U.N.O.) (INCLUDING DRAINAGE TRENCHES, EXCAVATIONS AT BUILDING PERIMETERS, REPROFILING, ETC.)

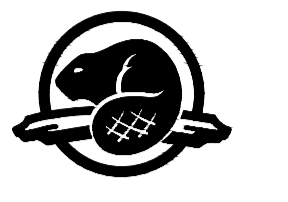
LEGEND

EXISTING ELEMENTS

- LOT LINE
- PERMANENT SERVITUDE LINE
- NATURAL TERRAIN LEVEL
- DRAINAGE WELL (Pu)
- MANHOLE (RP) AND RAINWATER PIPE
- PERFORATED DRAIN
- MANHOLE (RS) AND SEWER PIPE
- TAP WATER PIPE
- VALVE
- FIRE HYDRANT
- VALVE
- MANHOLE (RU) AND COMBINED SEWER
- DITCH
- DRAINAGE BASSIN
- TOP OF BANK
- BOTTOM OF BANK
- RETAINING WALL
- AERIAL ELECTRICAL TELEPHONE LINE
- UNDERGROUND ELECTRICAL TELEPHONE LINE
- ELECTRICAL TELEPHONE POLE
- FENCE
- WOODED LIMIT
- CURBSTONE
- EXISTING BUILDING

PROJECTED ELEMENTS

- FINISHED TERRAIN LEVEL
- CONCRETE WELL - MANHOLE (RPu)
- CONCRETE DRAINAGE WELL (Pu)
- CONCRETE WELL - RUNOFF PIPE (RP)
- PERFORATED DRAIN
- TAP WATER PIPE
- VALVE
- CONCRETE WELL (RS) AND SEWER PIPE
- DITCH
- DRAINAGE BASSIN
- TOP OF BANK
- BOTTOM OF BANK
- FUTURE BUILDING
- AERIAL ELECTRICAL TELEPHONE LINE
- UNDERGROUND ELECTRICAL TELEPHONE LINE
- ROCK BALLAST
- GRAVEL
- LAWN, SEE ARCH.



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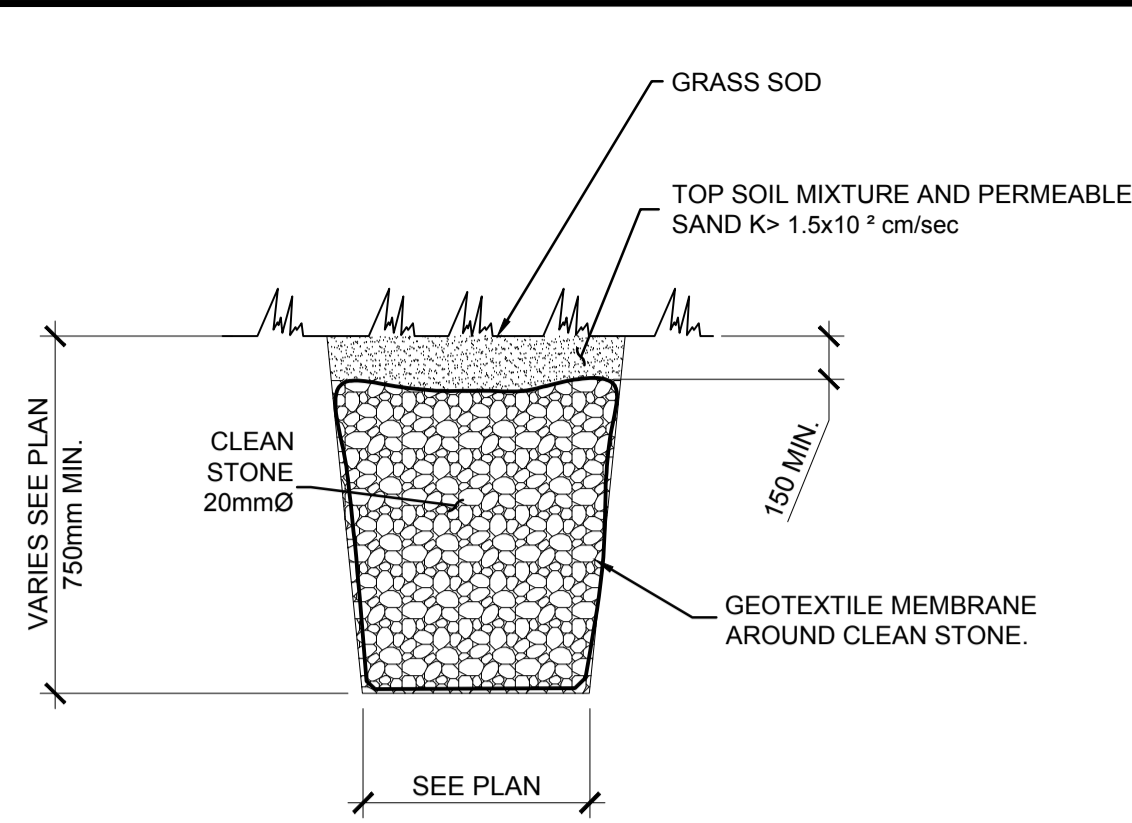
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Projet
AGENCE PARCS CANADA
PARC NATIONAL FORILLON
SECTEUR GRANDE-GRAVE
RÉFLECTION DE LA MAISON
JOSEPH-GAVEY
PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin
CIVIL
PLAN DES INTERVENTIONS
INTERVENTION PLAN

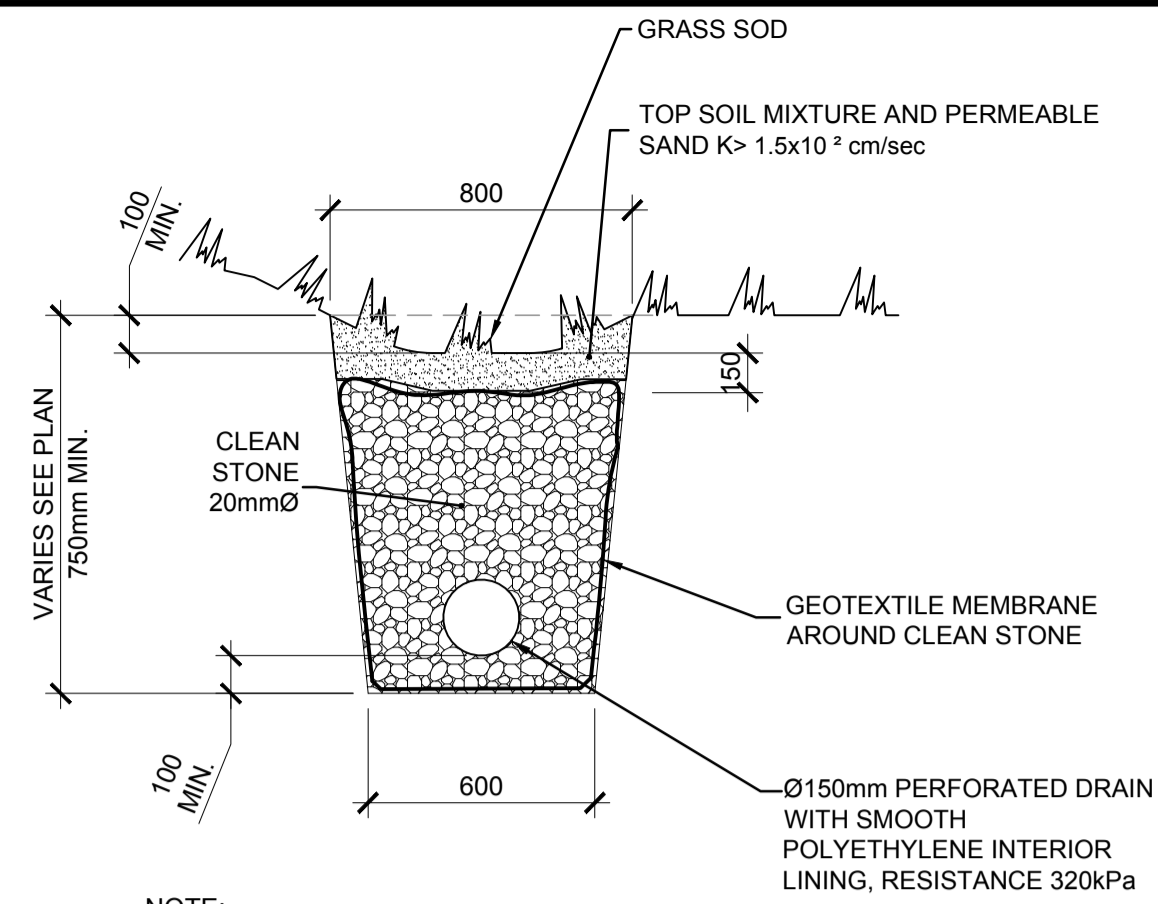
Conçu par	F. LABRIE	Designed By
Date		(yyyy/mm/dd)
Dessiné par	V. BOURQUE	Drawn By
Date		(yyyy/mm/dd)
Examiné par	M. BOUCHARD	Reviewed By
Date		(yyyy/mm/dd)
Approuvé par	M. BOUCHARD	Approved By
Date		(yyyy/mm/dd)

No. du projet	1817-2	Project no.
APC		PCA
No. du dessin	C02-DT-COU-1817-2.DWG	Drawing no.
	C02	



DRAINAGE BASIN

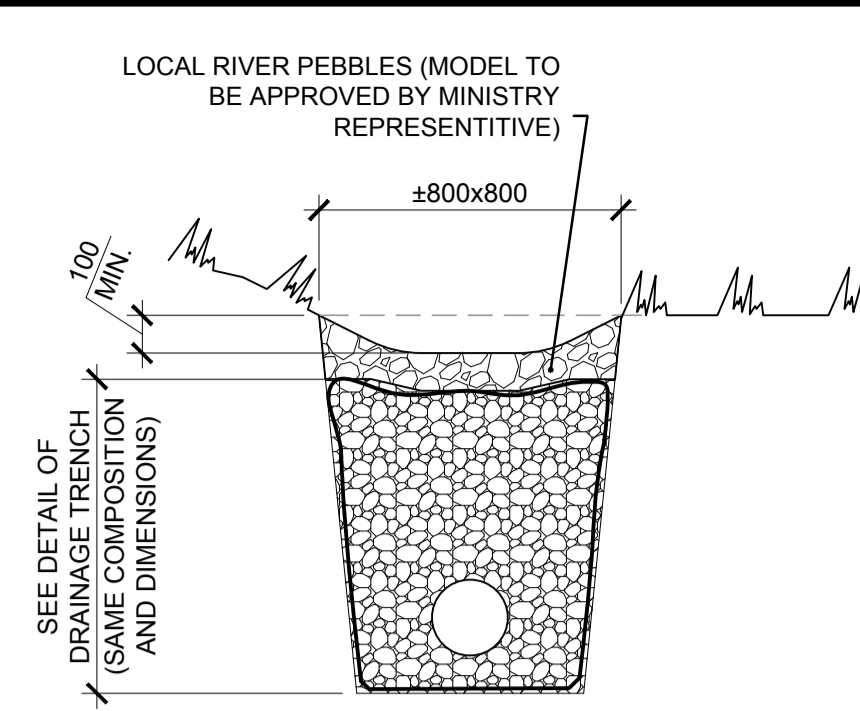
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DRAINAGE TRENCH

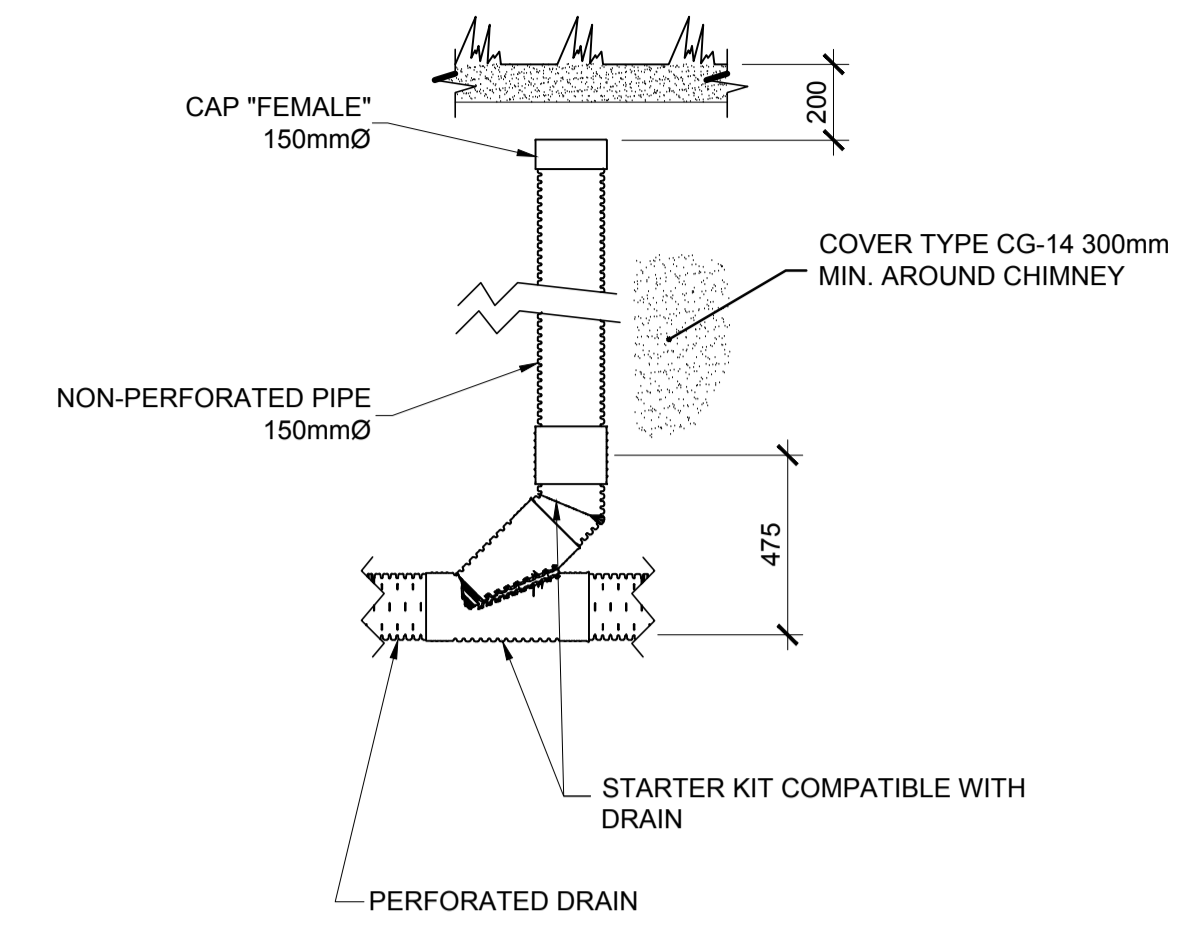
ÉCHELLE / SCALE: N/A

- NOTE:
- ALLOW FOR A MINIMAL SLOPE OF 1% THROUGHOUT THE LENGTH OF THE CONDUIT.
 - EXTEND THE DRAIN 150mm INTO THE DRAINAGE BASIN.



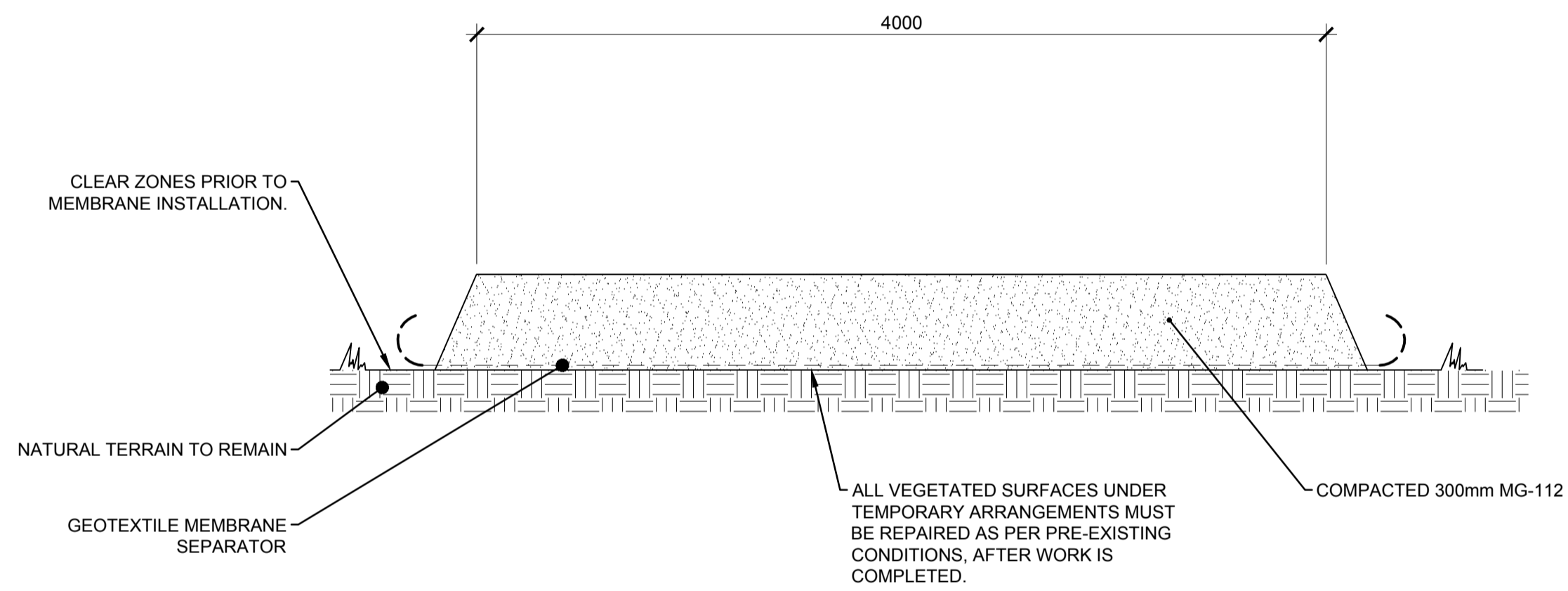
GUTTER RUNOFF CATCH BASIN

ÉCHELLE / SCALE: N/A



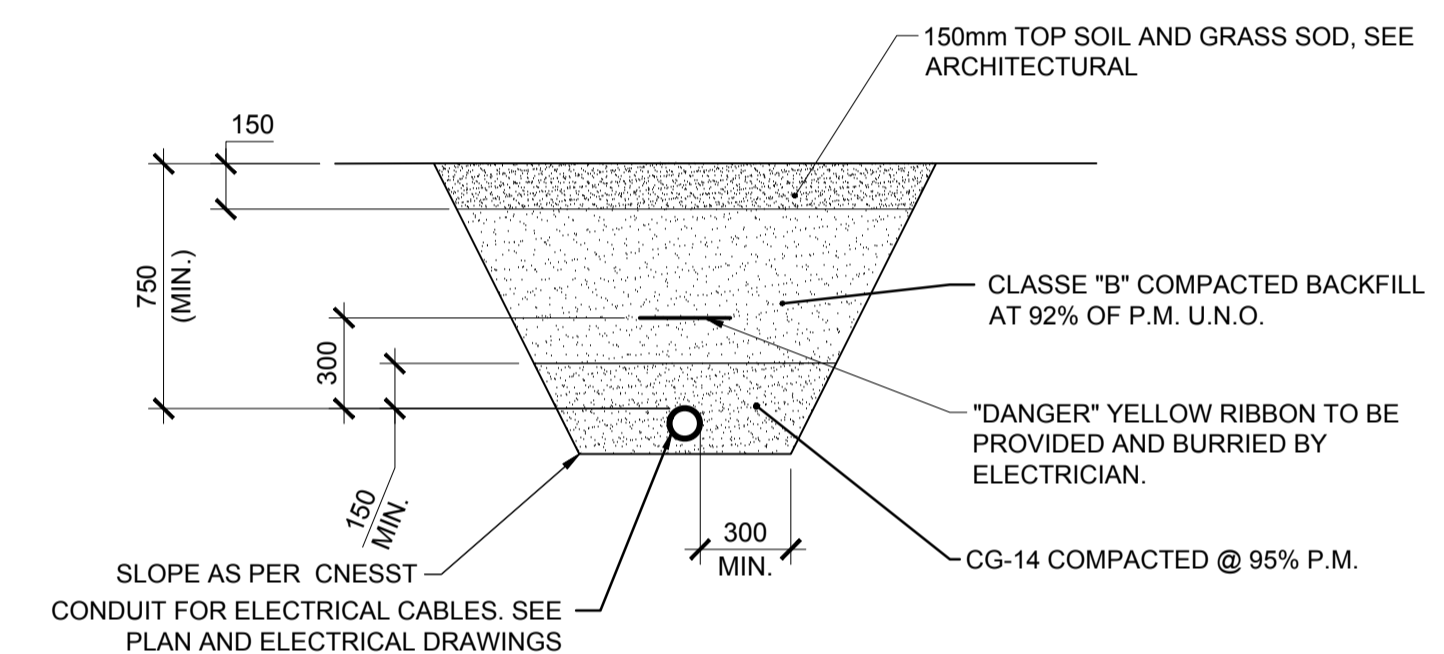
ACCESS CHIMNEY DETAIL

ÉCHELLE / SCALE: N/A



TEMPORARY ACCESS ROAD SECTION

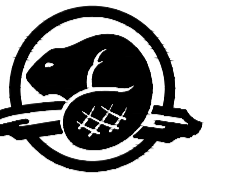
ÉCHELLE / SCALE: N/A



- NOTES:
- ALL WORK MUST CONFORM TO HYDRO-QUÉBEC STANDARD E.21-11
 - EXCAVATION AND BACK-FILL BY CIVIL-ENGINEERING
 - HOLLOW PIPES AND WIRING BY ELECTRICIANS
 - SEE ELECTRICAL FOR QUANTITY OF PIPES IN TRENCH.

ELECTRICAL CABLE TRENCH

ÉCHELLE / SCALE: N/A



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révisions / revisions	description	date
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A	A no. du detail detail no.	A
B	B sur dessin no. location drawing no.	B C
C	C drawing no. dessin no.	

Projet / Project
 AGENCE PARCS CANADA / PARC NATIONAL FORILLON / SECTEUR GRANDE-GRAVE
 RÉFECTION DE LA MAISON JOSEPH-GAVEY
 PARKS CANADA / FORILLON NATIONAL PARK / GRANDE-GRAVE REGION
 RESTORATION OF THE HOUSE JOSEPH-GAVEY

Dessin / Drawing
 CIVIL
 COUPES ET DÉTAILS / SECTIONS AND DETAILS

Conçu par / Designed By	F. LABRIE
Date / (yyyy/mm/dd)	
Dessiné par / Drawn By	V. BOURQUE
Date / (yyyy/mm/dd)	
Examiné par / Reviewed By	M. BOUCHARD
Date / (yyyy/mm/dd)	
Approuvé par / Approved By	M. BOUCHARD
Date / (yyyy/mm/dd)	

No. du projet / Project no.	1817-2
APC / PCA	
No. du dessin / Drawing no.	C03-DT-COU-1817-2.DWG / C03

ELECTRICAL - LEGEND

LIGHTING AND CONTROL

SE RÉFÉRER À LA LISTE DES LUMINAIRES POUR DESCRIPTION DES APPAREILS.

- CEILING MOUNTED LIGHTING FIXTURE (TYPE 1) CONNECTED TO PANEL "B" CCT.#15 AND CONTROLLED FROM SWITCH "a"
- WALL MOUNTED LIGHTING FIXTURE
- LIGHTING FIXTURE ON EMERGENCY POWER AND/OR NIGHT LIGHT ("DN" 24h - NO CONTROLS)
- APPAREIL D'ÉCLAIRAGE RACCORDÉ SUR POUVOIR D'URGENCE ET/OU ÉCLAIRAGE DE NUIT (EN FONCTION 24h - NON CONTRÔLÉ)
- FLUORESCENT STRIP LIGHTING FIXTURE
- FLUORESCENT LIGHTING FIXTURE MOUNT (REFER TO LIGHTING FIXTURES SCHEDULE)
- FLUSH MOUNT FLUORESCENT LIGHTING FIXTURE
- TRACK LIGHTING
- WALL MOUNTED EXAMINATION OR LOADING DOCK FIXTURE
- "EXIT" LIGHT (WALL OR CEILING) : SHADED AREA INDICATES LIGHTED FACES; WITH OR WITHOUT DIRECTIONAL ARROW
- REMOTE EMERGENCY LIGHTING HEAD (SINGLE OR DOUBLE)
- EMERGENCY LIGHTING BATTERY, c/w APPROPRIATE WALL BRACKET OR SHELF AND PLUG CORD FOR 120V. (PROVIDE 15A-125V SINGLE PLUG NEXT TO UNIT).
- PHOTOCELL
- LIGHTING RELAY
- TIMER
- PROGRAMMABLE WALL SWITCH (LIGHTING)
- SINGLE-POLE WALL SWITCH 15A-125V. (3=3 WAY / 4=4 WAY)
- KEY SWITCH 15A-125V
- MULTIPLE SWITCHES UNDER COMMON WALLPLATE
- SINGLE-POLE SWITCH 15A-125V. c/w PILOT LIGHT
- AUTOMATIC DOOR SWITCH
- SINGLE-POLE WALL SWITCH 20A-347V. c/w DIE PLATE 347V (3=3 WAY / 4=4 WAY)
- LOW VOLTAGE WALL SWITCH (24V)
- DIMMER FOR INCANDESCENT LOADS (10=1000W / 15=1500W / 20=2000W)
- DIMMER FOR LOW VOLTAGE LOADS (6=600VA-450W / 10=1000VA-800W / 15=1500VA-1200W)
- DO NOT GROUP THESE DEVICES UNDER COMMON WALLPLATE
- WALL MOUNTED PRESENCE DETECTOR
- WALL MOUNTED PRESENCE DETECTOR MULTI-TECHNOLOGY
- CEILING MOUNTED PRESENCE DETECTOR 180° OR 360°

PLUG RECEPTACLES AND DEVICES

- DUPLEX PLUG RECEPTACLE, 15A-125V. (20A=20Amp / 30A=30Amp)
- DUPLEX PLUG RECEPTACLE, 15A-125V. MOUNTED ABOVE COUNTER OR AS SHOWN
- DUPLEX PLUG RECEPTACLE, 20A-125V. (5-20R)
- 15A-125V. PLUG RECEPTACLE WITH ISOLATED GROUND LUG (ORANGE COLOUR): FOR COMPUTER EQUIPMENT
- 15A-125V. PLUG RECEPTACLE WITH ISOLATED GROUNDING LUG (GREY COLOUR): FOR PRINTER, FAX AND PHOTOCOPIER
- DUPLEX PLUG RECEPTACLE, 15A-125V. WITH ONLY LOWER SECTION CONTROLLED VIA WALL SWITCH "a"
- MULTIPLE PLUG RECEPTACLES UNDER COMMON WALLPLATE
- DUPLEX PLUG RECEPTACLE, 15A-125V. (RED COLOUR) CONNECTED ON "EMERGENCY" POWER
- SINGLE PLUG RECEPTACLE, 15A-125V.
- PLUG RECEPTACLE 15A-125V. WITH BUILT-IN GROUND FAULT BREAKER
- SPECIAL PLUG RECEPTACLE (125/250V., 250V., 600V., ETC) AS INDICATED ON DRAWING
- "TWISTLOCK" DUPLEX PLUG RECEPTACLE, 15A-125V
- SPECIAL "TWISTLOCK" PLUG RECEPTACLE (125/250V., 250V., 600V., ETC) AS INDICATED ON DRAWING
- PLUG RECEPTACLE INTEGRATED INTO FURNITURE (BY MANUFACTURER)
- JUNCTION BOX WITH DUPLEX PLUG RECEPTACLE INSTALLED IN CEILING SPACE
- DUPLEX PLUG RECEPTACLE INSTALLED AT CEILING
- DUPLEX PLUG FLOOR MOUNTED (MONUMENT)
- DUPLEX PLUG FLUSH MOUNTED (ON FLOOR)
- COMBINED DISPOSAL FOR ELECTRICAL PLUG AND PHONE FLOOR MOUNTED (MONUMENT)
- COMBINED DISPOSAL FOR ELECTRICAL PLUG AND PHONE FLUSH MOUNTED (ON FLOOR)
- DIRECT CONNECTION FOR SPECIAL EQUIPMENT
- JUNCTION OR PULL BOX

COMMUNICATION

ALL WALL OUTLETS TO CONSIST OF A 4"x4" BOX WITH PLASTER RING LINKED TO CEILING (OR IN TOP OF WALL IF NO CEILING SPACE) SPACE VIA 3/4" (20mm) EMPTY CONDUIT WITH NYLON PULL CORD

- TELEPHONE OUTLET
- FLOOR MOUNT TELEPHONE OUTLET - MONUMENT TYPE
- FLOOR RECESSED TELEPHONE OUTLET
- PUBLIC TELEPHONE OUTLET
- COMPUTER (DATA) OUTLET
- FLOOR MOUNTED COMPUTER DISPOSAL (DATA)
- FLOOR ENCRUSTED COMPUTER DISPOSAL (DATA)
- COMBINED TELEPHONE/DATA OUTLET
- COMBINED DISPOSAL TELEPHONE/DATA (FLOOR MOUNTED MONUMENT TYPE)
- COMBINED DISPOSAL FOR TELEPHONE/DATA FLUSH MOUNTED (ON FLOOR)
- CABLE OUTLET (TV)
- OUTLET FOR "INTERCOM" (M=MASTER / S=SLAVE)
- CABLE TRAY

EXTERIOR LIGHTING

- PARKING POLE
- DECORATIVE POLE
- POLE WITH PROJECTOR LIGHTS
- WALL MOUNTED PROTECTOR
- LUMINOUS BOLLARD
- PHOTOCELL
- BURRIED CONDUIT OR CABLES
- CONCRETE COATED CONDUIT
- CONDUIT OR CABLE UNDER ROAD OR WALKWAY (PROVIDE A CORRUGATED STEEL PIPE)

ALL EXCAVATION WORKS, BACKFILLING, COMPACTING, CONCRETE, CORRUGATED STEEL PIPES, LANDSCAPING (PAVEMENT OR OTHER), ETC. SHALL BE DONE BY GENERAL CONTRACTOR AND AT HIS EXPENSE.

FIRE ALARM AND DETECTION

- MANUAL FIRE ALARM PULL STATION
- FIRE ALARM BELL 6"Ø, UNLESS SHOWN OTHERWISE ON DRAWINGS AND/OR SPEC'S (EX: 10=10"Ø)
- FIRE ALARM HORN
- CYROSCOPIC LIGHT
- STROBE LIGHT
- FIRE ALARM BELL OR HORN COMBINED WITH STROBE LIGHT
- HEAT DETECTOR, 135F/57C
- HEAT DETECTOR 135F/57C COMBINED WITH TEMPERATURE RISE
- HEAT DETECTOR 197F/92C
- ROOM TYPE IONIZATION DETECTOR
- VENTILATION AIR DUCT DETECTOR c/w RELAY BASE AND SAMPLING TUBE SEE NOTE 2
- VENTILATION AIR DUCT DETECTOR c/w RELAY BASE AND SAMPLING TUBE SEE NOTE 2
- PHOTO-ELECTRIC ROOM TYPE DETECTOR
- SMOKE ALARM DEVICE, 120V. (FOR APARTMENT ONLY)
- REMOTE PILOT LIGHT
- ADDRESSABLE RELAY
- ADDRESSABLE MODULE (SINGLE OR TWIN UNIT)
- ISOLATING MODULE
- SPRINKLER SYSTEM SURVEILLANCE SWITCH (SEE NOTE 2)
- SPRINKLER SYSTEM FLOW SENSOR
- SPRINKLER SYSTEM PRESSURE SENSOR
- DOOR MAGNETIC HOLD ON
- DOOR CLOSER WITH MAGNETIC HOLD ON
- ENDLINE RESISTANCE
- FIREFIGHTER TELEPHONE OULET
- TRUMPET TYPE (WALL OR CEILING) MOUNTED SPEAKER FOR ALARM AND/OR VOCAL COMMUNICATION
- CONE TYPE (WALL OR CEILING) MOUNTED SPEAKER FOR ALARM AND/OR VOCAL COMMUNICATION
- CONE TYPE (WALL OR CEILING) FLUSH MOUNTED SPEAKER FOR ALARM AND/OR VOCAL COMMUNICATION
- MAIN FIRE ALARM PANEL
- REMOTE ANNUNCIATOR PANEL
- CARBON MONOXYDE DETECTION PANEL
- CARBON MONOXYDE DETECTOR

HEATING

- LOW-VOLTAGE THERMOSTAT (24V)
- LINE VOLTAGE THERMOSTAT
- THERMOSTATS IN A PUBLIC AREA SHALL BE INSTALLED c/w LOCKABLE PROTECTIVE GUARD
- PNEUMATIC/ELECTRIC RELAY
- HEATING RELAY WITH BUILT-IN TRANSFORMER
- HEATING RELAY WITHOUT TRANSFORMER
- CONTROL TRANSFORMER
- SOLID STATE RELAY SEE NOTE 3
- HAND/HAIR DRYER (48" UNDER) OAD1802BL MODEL; OUELLET BRANDED
- HAIR DRYER (72" UNDER)
- WATER HEATER SEE NOTE 2
- HEATING BASEBOARD OR ARCHITECTURAL CONVECTOR UNIT
- SURFACE MOUNT CONVECTOR UNIT (c/w BUILT-IN THERMOSTAT)
- FORCED FLOW UNIT
- SUSPENDED OR WALL MOUNT UNIT HEATER (c/w MANUAL STARTER)
- VERTICAL UNIT HEATER (c/w MANUAL STARTER)
- DUCT HEATER SEE NOTE 2

EXAMPLE

CIRCUIT #12-PANEL 'A'
TYPE OF UNIT (REFER TO HEATING UNITS' SCHEDULE FOR MODEL, VOLTAGE, ETC.)
CAPACITY (kW)

DISTRIBUTION

- SERVICE PANELBOARD 120/208V.
- SERVICE PANELBOARD 120/240V.
- SERVICE PANELBOARD 347/600V. OR 600V.
- LIGHTING RELAY PANEL (LOW VOLTAGE)
- SURFACE MOUNTED
- FLUSH MOUNTED
- SPLITTER TROUGH
- DRY-TYPE DISTRIBUTION TRANSFORMER
- WIRING HIDDEN INTO WALLS OR CEILINGS
- WIRING WITHIN OR UNDERNEATH FLOOR
- LOW VOLTAGE WIRING

MOUNTING HEIGHTS
(UNLESS SHOWN OTHERWISE)

- ELECTRICAL PANEL = TOP OF FRAME AT 72" (1830mm)
- PLUG OUTLET = 400mm
- TEL/DATA/TV/MIC. OUTLETS = 400mm
- COUNTER PLUG/TEL/DATA OUTLETS = 175mm ABOVE
- WALL SWITCH/DIMMER/SPEED CONTROL/VOLUME CONTROL/TIMER/SELECTOR SWITCH = 1200mm
- THERMOSTAT = 1200mm (DO NOT ALIGN ABOVE DIMMER SWITCHES)
- FIRE ALARM STATION/FIREMAN PHONE = 1200mm
- BELL/HORN/SPEAKER/STROBE LIGHT = 2100mm
- WALL "EXIT" LIGHT = 2285mm
- HEATING UNIT = LEAVE 4" SPACE (100mm) UNDERNEATH

ALSO REFER TO SPECIFICATIONS FOR OTHER DEVICES

OVERALL DESCRIPTION OF WORKS BY LOTS

- LOT 1**
- COMPLETELY DISMANTLE EXISTING ELECTRICAL INSTALLATIONS.
 - INSTALLATION AND CONNECTION OF THE NEW ELECTRICAL ENTRANCE INCLUDING: DISTRIBUTION PANEL (C/W), MESURING EMBASEMENT, UNDERGROUND CONDUITS AND CABLES
 - AND ALL EQUIPEMENT NECESSARY TO THE NEW ELECTRICAL ENTRANCE SWITCHING ON.
- LOT 2**
- INTERIOR AND EXTERIOR ELECTRICAL FITTINGS (LIGHTING, SERVICES, ETC.).
 - CONNECTION OF THE NEW ELECTRICAL DEVICES TO THE DISTRIBUTION PANEL.

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TETRA TECH

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Projet: AGENCE PARCS CANADA
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PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin: ELECTRICAL
Drawing: LOT 1 AND 2 LEGEND

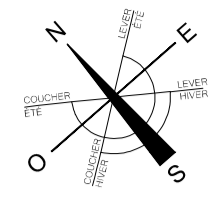
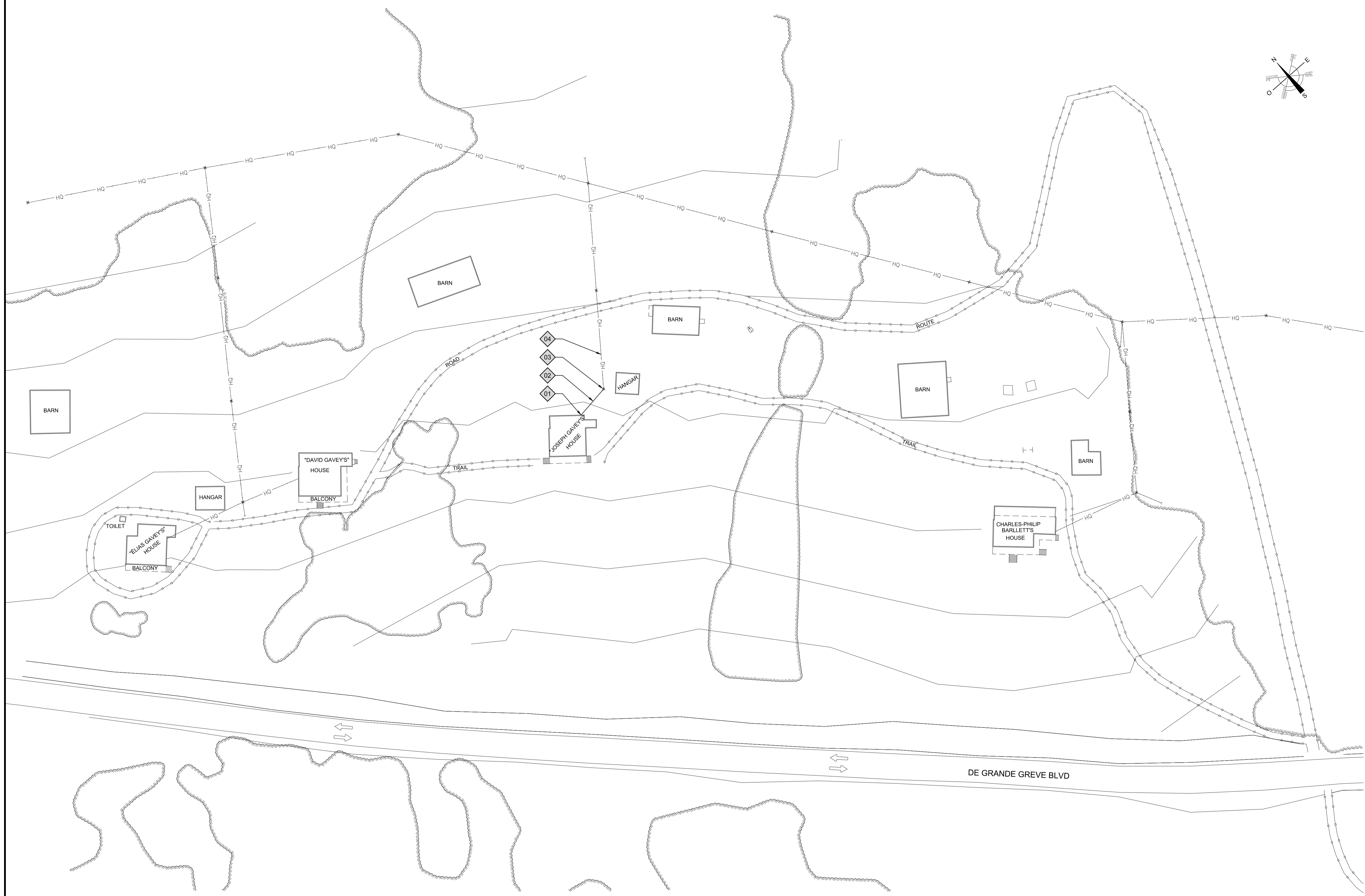
Conçu par: MATHIEU ROUSSEL Designed By
Date: (yyyy/mm/dd)

Dessiné par: MATHIEU ROUSSEL Drawn By
Date: (yyyy/mm/dd)

Examiné par: MATHIEU OUELLET Reviewed By
Date: (yyyy/mm/dd)

Approuvé par: MATHIEU OUELLET Approved By
Date: (yyyy/mm/dd)

No. du projet: 1817-2 Project no.
APC: PCA
No. du dessin: E01-GL-PLN-1817-2.DWG Drawing no.: E01



LOCATION DRAWING

1 : 500

GENERAL NOTES

- THE ELECTRICAL CONTRACTOR MUST COORDINATE ALL REQUIREMENT WITH THE POWER SUPPLIER (HYDRO-QUÉBEC) RELATED TO THE ELECTRICAL ENTRANCE ACHIEVEMENT
- LOCATION OF BURRIED CONDUITS AND CABLES ARE APPROXIMATE. THE ELECTRICAL CONTRACTOR MUST BE WELL AWARE OF EXISTING OBSTACLES AND MUST MODIFIED LOCATION OF BURRIED CONDUITS AND CABLES IF NEEDED.

SPECIFIC NOTES - DEMOLITION

- 01 OUTDOOR MESURING BASE. BURRIED CONNECTION TOWARD CLIENT ELECTRICAL POST
- 02 MAIN ELECTRICAL CONNECTION TO BUILDING (3#3/0 RWU90 XLPE C.63mm PVC), MAIN TELECOMMUNICATIONS TO BUILDING (C.53mm PVC), SEE DITCH DETAIL.
- 03 CLIENT ELECTRICAL POST, SEE ASSEMBLING DETAIL. CONNECTING POINT WITH DISTRIBUTOR (HYDRO-QUÉBEC).
- 04 EXISTING POWER LINE (HYDRO-QUÉBEC).

Canada

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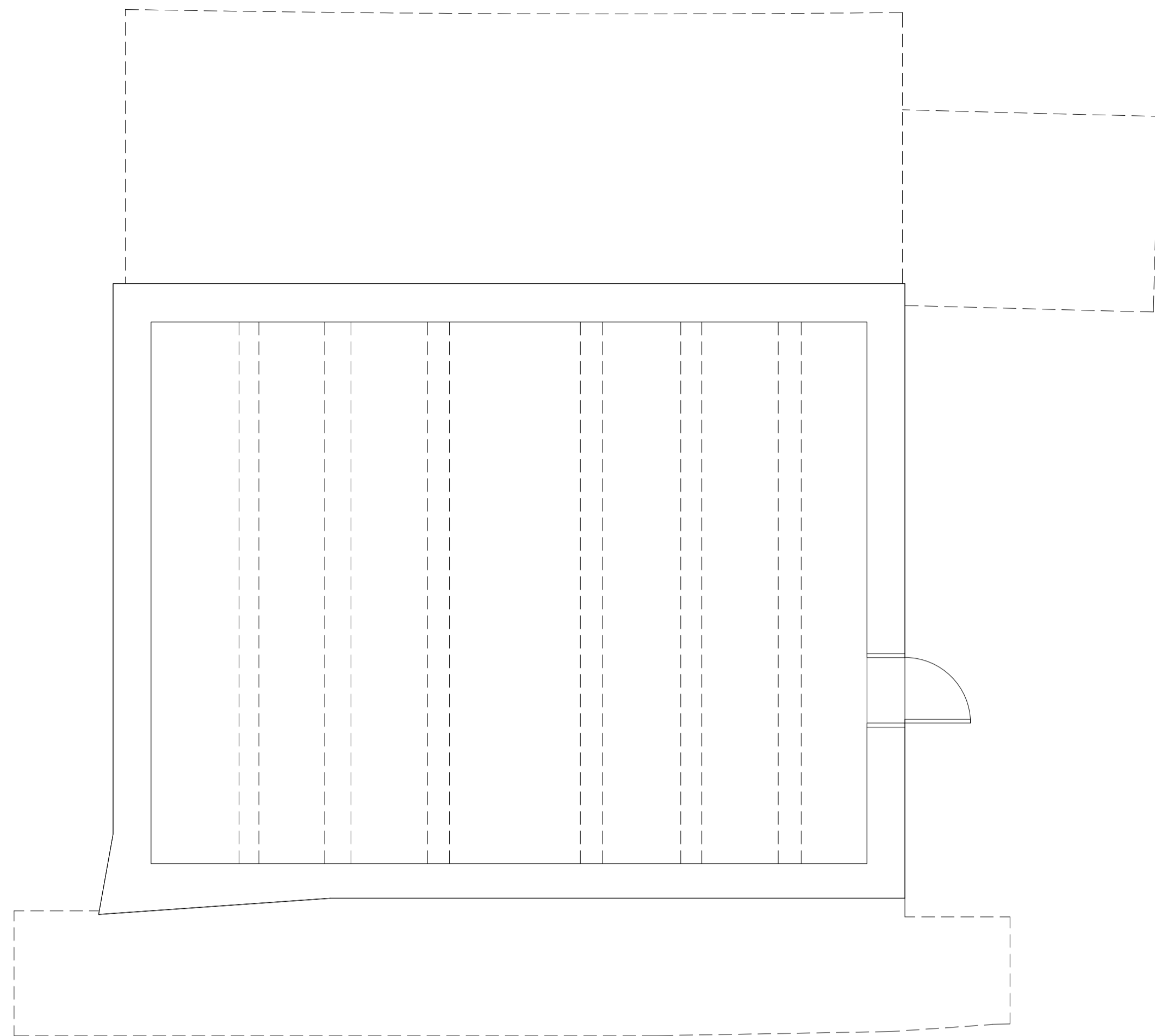
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C	B sur dessin no. location drawing no.	B
	C drawing no. dessin no.	C

Projet
 AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
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 GRANDE-GRAVE REGION
 RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin
 Dessin
 Drawing
ELECTRICAL
 LOT 1
 LIGHTING AND SERVICES
 DEMOLITION - CONSTRUCTION
 LOCATION DRAWING

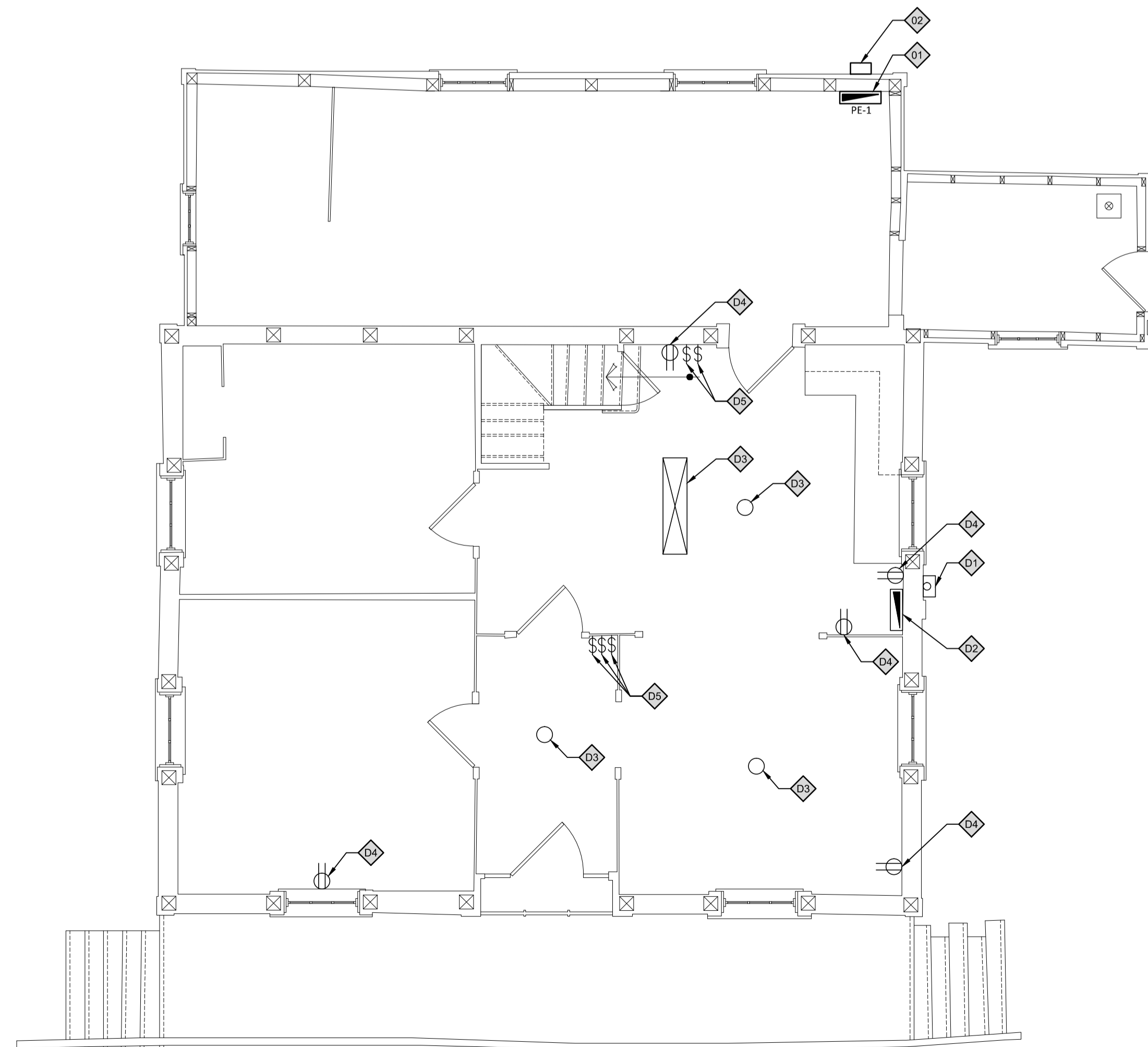
Conçu par	MATHIEU ROUSSEL	Designed By	MATHIEU ROUSSEL
Date		(yyyy/mm/dd)	
Dessiné par	MATHIEU ROUSSEL	Drawn By	MATHIEU ROUSSEL
Date		(yyyy/mm/dd)	
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APC		PCA	
No. du dessin	E02-GL-PLN-1817-2.DWG	Drawing no.	E02



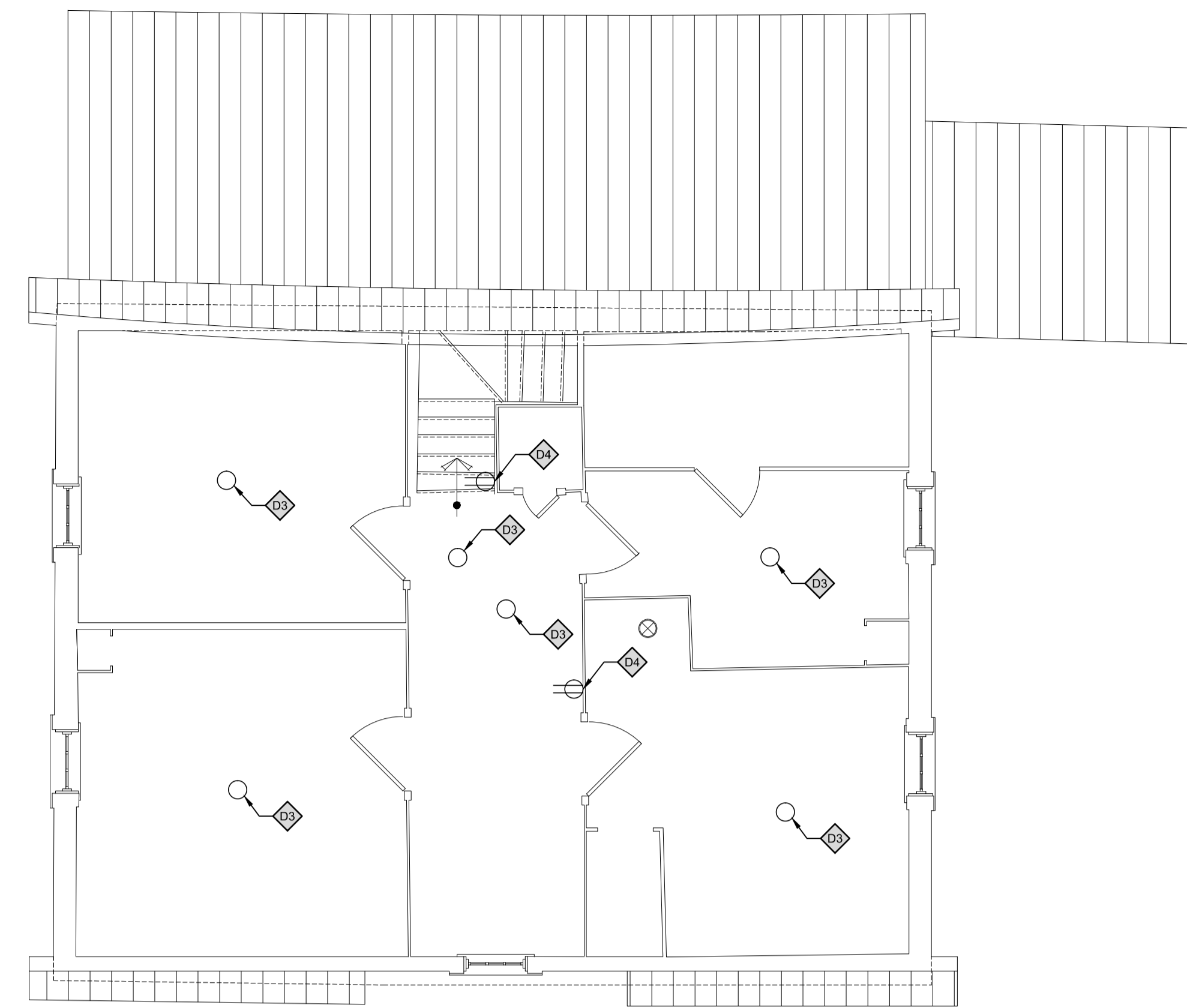
PLAN VIEW - BASEMENT

1 : 50



PLAN VIEW - GROUND FLOOR

1 : 50



PLAN VIEW - FIRST FLOOR

1 : 50

- SPECIFIC NOTES - DEMOLITION**
- D1 REMOVE EXISTING MESURIND BOX AND ELECTRICAL POST (AERIAL ELECTRICAL ENTRANCE IS ABANDONED).
 - D2 REMOVE EXISTING ELECTRICAL PANEL, 120/240V SURFACE MOUNTED.
 - D3 REMOVE EXISTING LIGHTING EQUIPMENT LOCATED ON CEILING.
 - D4 REMOVE EXISTING ELECTRICAL PLUG LOCATED ON WALL.
 - D6 REMOVE EXISTING LIGHTING SWITCH LOCATED ON WALL.

- SPECIFIC NOTES - CONSTRUCTION**
- D1 NEW ELECTRICAL PANEL #PE-1 120-240V/1Ø/60Hz, 200A, 72 CIRCUITS, MAIN BREAKER 200A. REFER TO DISTRIBUTION DIAGRAM.
 - D2 NEW OUTDOOR MESURING BASE REFER TO DISTRIBUTION DIAGRAM.

- GENERAL NOTES**
- THE ELECTRICAL CONTRACTOR MUST PROCEED TO THE COMPLETE DEMOLITION OF ALL ELECTRICAL AND TELECOMMUNICATION EQUIPMENT. THE CABLES AND WIRING INSIDE AND OUTSIDE OF THE BUILDING AT EVERY LEVEL MUST BE REMOVE AS WELL. UNLESS SPECIFIED, ALL ELECTRICAL AND TELECOMMUNICATION EQUIPMENT AND CONNECTING WIRES AND CABLES SHOWN AND UNSHOWN ON THE CURRENT DRAWING MUST BE REMOVE.



révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

A	A
C	C

A no. du detail detail no.
B sur dessin no. location drawing no.
C drawing no. dessin no.

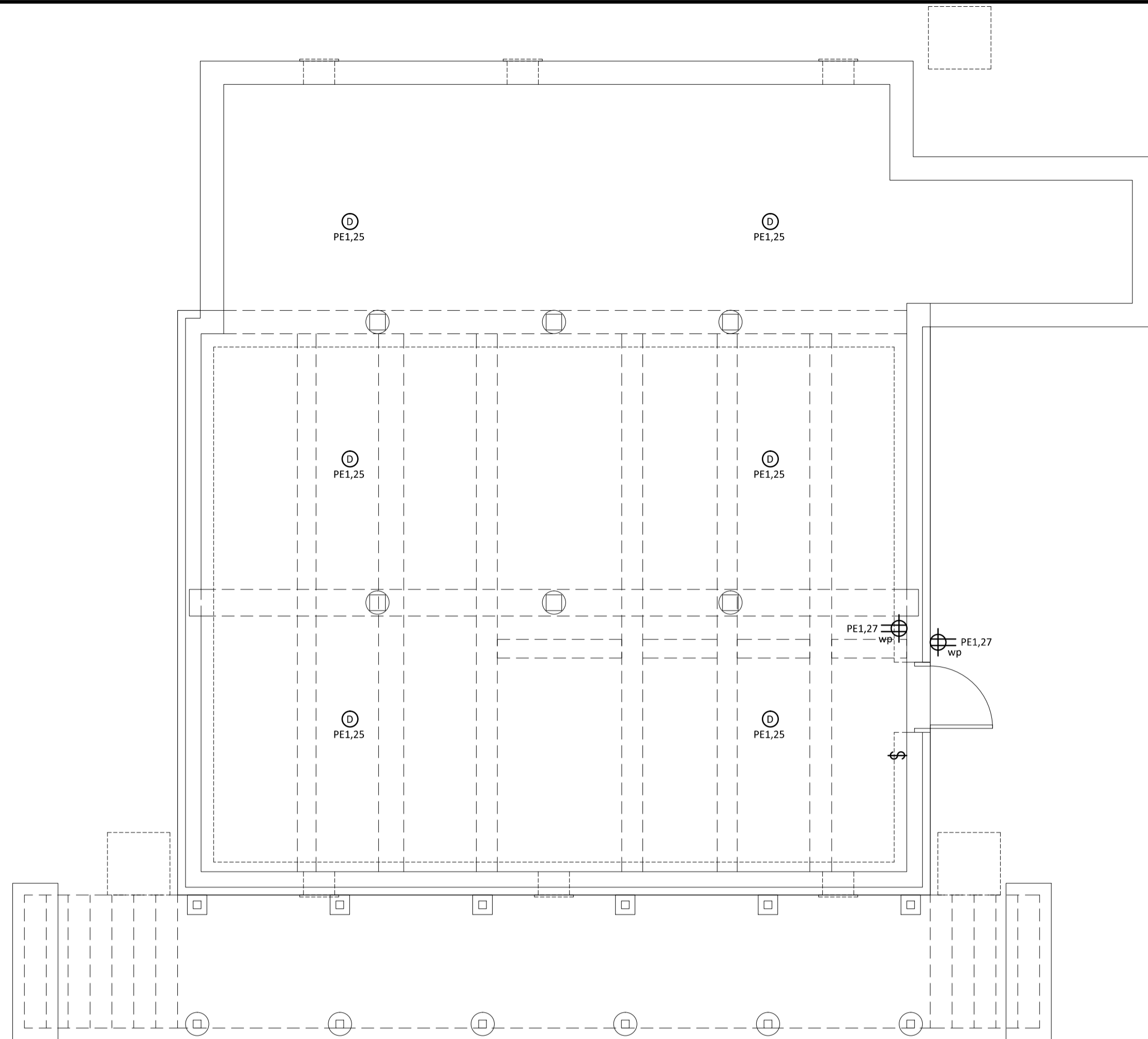
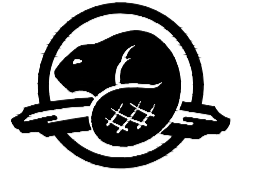
Projet
AGENCE PARCS CANADA
PARC NATIONAL FORILLON
SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
JOSEPH-GAVEY
PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin
ELECTRICAL
LOT 1
LIGHTING AND SERVICES
DEMOLITION AND CONSTRUCTION
PLAN VIEWS

Conçu par **MATHIEU ROUSSEL** Designed By
Date (yyyy/mm/dd)
Dessiné par **MATHIEU ROUSSEL** Drawn By
Date (yyyy/mm/dd)
Examiné par **MATHIEU OUELLET** Reviewed By
Date (yyyy/mm/dd)
Approuvé par **MATHIEU OUELLET** Approved By
Date (yyyy/mm/dd)

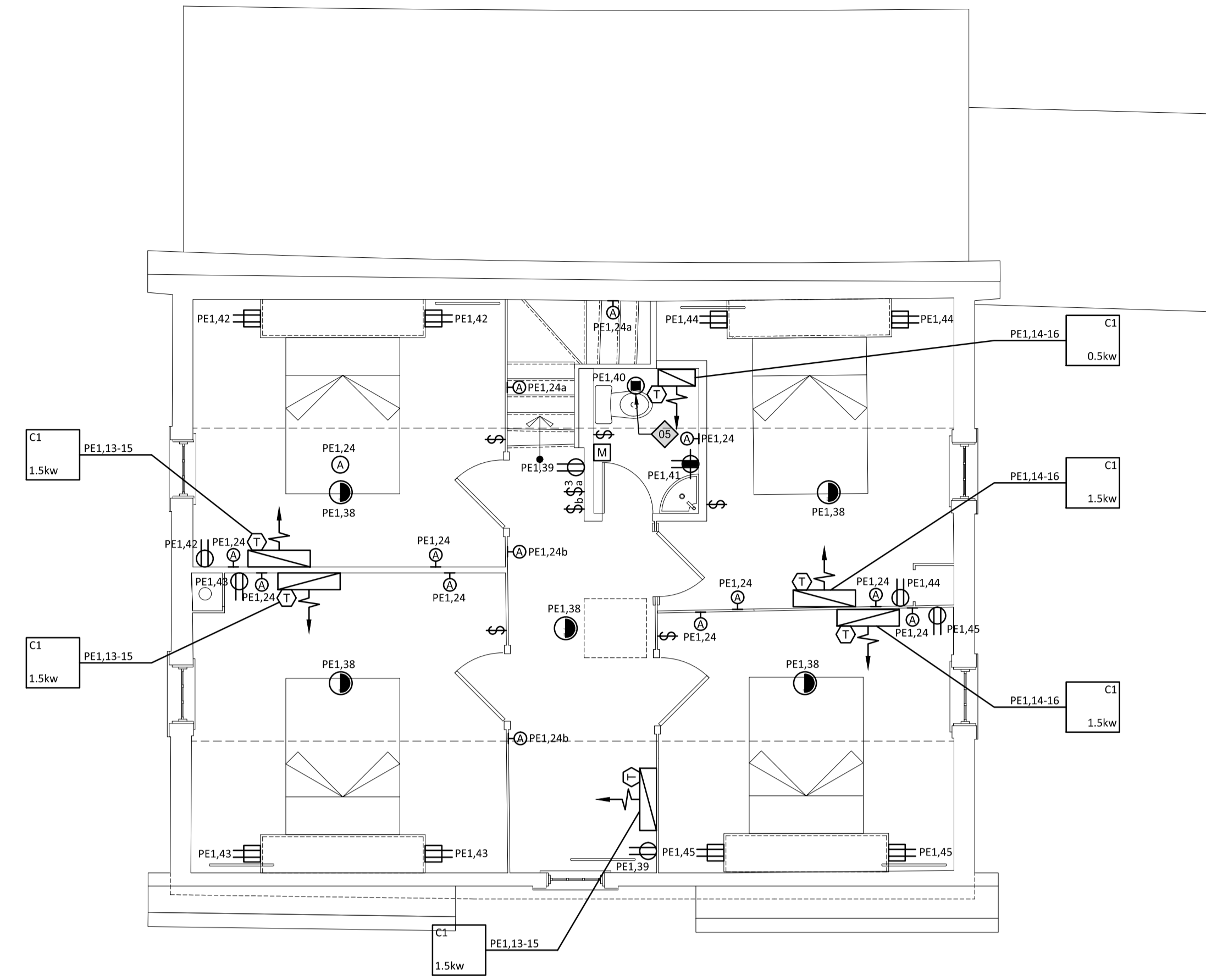
No. du projet **1817-2** Project no.
APC PCA

No. du dessin **E03-GL-PLN-1817-2.DWG** Drawing no.
E03



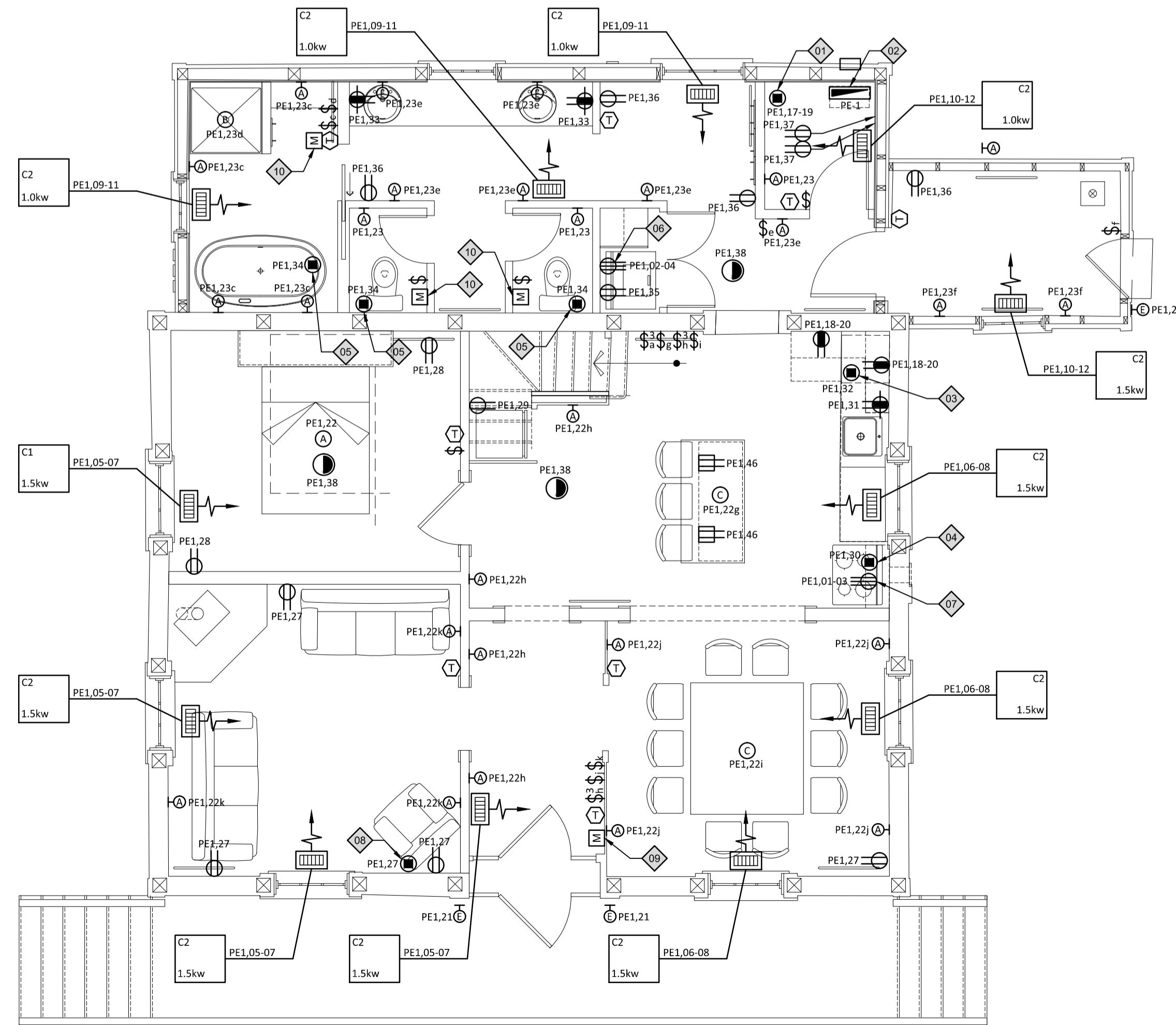
PLAN VIEW - BASEMENT

1 : 50



PLAN VIEW - FIRST FLOOR

1 : 50



PLAN VIEW - GROUND FLOOR

1 : 50

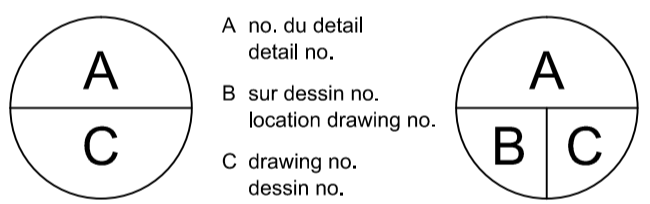
SPECIFIC NOTES - CONSTRUCTION

- 01 NEW WATER HEATER HCE-1 TO CONNECT (CIRCUIT 240V/1Ø/60hz, 20A). REFER TO PLUMBING DRAWING FOR DETAILS AND EXACT LOCATION .
- 02 NEW ELECTRICAL PANEL #PE-1 120-240V/1Ø/60hz (SUPPLIED AND INSTALLED AT LOT 1), 200A, 72 CIRCUITS, MAIN BREAKER 200A. REFER TO DISTRIBUTION DIAGRAM.
- 03 NEW DISHWASHER TO CONNECT (CIRCUIT 120V/1Ø/60hz, 15A).
- 04 NEW KITCHEN EXHAUST AND FAN #HC-1 TO CONNECT (CIRCUIT 120V/1Ø/60hz, 15A). REFER TO VENTILATION DRAWING FOR DETAILS AND LOCATION.
- 05 NEW EXHAUST FAN #1-VE-xx TO CONNECT (CIRCUIT 120V/1Ø/60hz, 15A). REFER TO VENTILATION DRAWING FOR DETAILS AND LOCATION.
- 06 NEW DRYER TO CONNECT (PLUG AND CIRCUIT 240V/1Ø/60hz, 30A).
- 07 NEW OVEN TO CONNECT(PLUG AND CIRCUIT 240V/1Ø/60hz, 40A).
- 08 NEW TELEVISION TO CONNECT (PLUG AND CIRCUIT 120V/1Ø/60hz, 15A). EXACT LOCATION TO COORDINATE ON SITE . INSTALL AS WELL AN OUTLET BOX ON THE WALL WITH A DECORATIVE VIRGIN PLATE AND A CONNECTING CONDUIT UP TO THE CRAWL SPACE FOR FUTUR CONNECTION TO TELECOMMUNICATION.
- 09 TIMER SWITCH WITH 24h SCHEDULE TO CONTROL OUTDOOR LIGHTING EQUIPMENTS.
 SPECIFIED PRODUCT: LEVITON #VP124-1PZ.
 OTHER ACCEPTABLE PRODUCT: HUBBELL, LEGRAND.
- 10 TIMER SWITCH WITH PRESETTING TO CONTROL EXHAUST FAN.
 SPECIFIED PRODUCT: LEVITON #MT650-3L2.
 OTHER ACCEPTABLE PRODUCT: HUBBELL, LEGRAND.

GENERAL NOTES

- THE ELECTRICAL CONTRACTOR MUST REFER TO ARCHITECTURAL DRAWINGS CONCERNING ALL DETAILS REGARDING THE EXISTING CEILING AND WALLS DISMANTLED OR KEPT IN PLACE, IN LINK WITH THE PASSAGE OF THE ELECTRICAL CABLE. IF IT APPEARS TO BE IMPOSSIBLE TO HIDE A CABLE, THIS LAST ONE MUST BE INSTALL UNDER AN APPARENT CONDUIT AND ITS LOCATION MUST BE CAREFULLY COORDINATED WITH THE ARCHITECT OR THE GENERAL CONTRACTOR.
- ALL SMOKE DETECTORS ARE 120V WITH BATTERY BACKUP AND INTER-CONNECTED.

révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018



Projet
AGENCE PARCS CANADA
PARC NATIONAL FORILLON
SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
JOSEPH-GAVEY

PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin
ELECTRICAL

LOT 2
LIGHTING AND SERVICES
CONSTRUCTION
PLAN VIEWS

Conçu par Date	MATHIEU ROUSSEL (yyyy/mm/dd)	Designed By (yyyy/mm/dd)
Dessiné par Date	MATHIEU ROUSSEL (yyyy/mm/dd)	Drawn By (yyyy/mm/dd)
Examiné par Date	MATHIEU OUELLET (yyyy/mm/dd)	Reviewed By (yyyy/mm/dd)
Approuvé par Date	MATHIEU OUELLET (yyyy/mm/dd)	Approved By (yyyy/mm/dd)

No. du projet	1817-2	Project no.
APC	PCA	
No. du dessin	E04-GL-PLN-1817-2.DWG	Drawing no.
		E04

LIGHTING FIXTURE SCHEDULE												
TYPE	LAMP(S)			INSTALLATION				ELECTR.	TOTAL POWER	SPECIFIED PRODUCT	OTHER ACCEPTABLE PRODUCT	NOTES
	TYPE, POWER	QT.	COL.	ENC.	WALL	SURF.	SUSP.					
A	INC. 60W	1	3000°K				X	120V	60W	HUBBELL / PROGRESS #P710043-020	COOPER, LITHONIA, PHILIPS	2,3
B	LED 12W	-	3000°K				X	120V	12W	HUBBELL / MAGIC LITE #LVL06-WW-xx	COOPER, LITHONIA, PHILIPS	3
C	INC. 150W	1	3000°K				X	120V	150W	HUBBELL / PROGRESS #P5094-74	COOPER, LITHONIA, PHILIPS	2,3
D	LED 27W	-	5000°K				X	120V	27W	HUBBELL #VTC-5K-G-U-X-2-G-G	COOPER, LITHONIA, PHILIPS	4,5
E	INC. 100W	1	3000°K				X	120V	60W	HUBBELL #P6086-20	COOPER, LITHONIA, PHILIPS	1,3
F	INC. 100W	3	3000°K				X	120V	300W	HUBBELL #P2137-20	COOPER, LITHONIA, PHILIPS	2,3

NOTES

- LED LAMP.
- LED FILAMENT LAMP ("VINTAGE").
- BRONZE FINISJ
- GREY FINISH
- PROTECTION GRILL

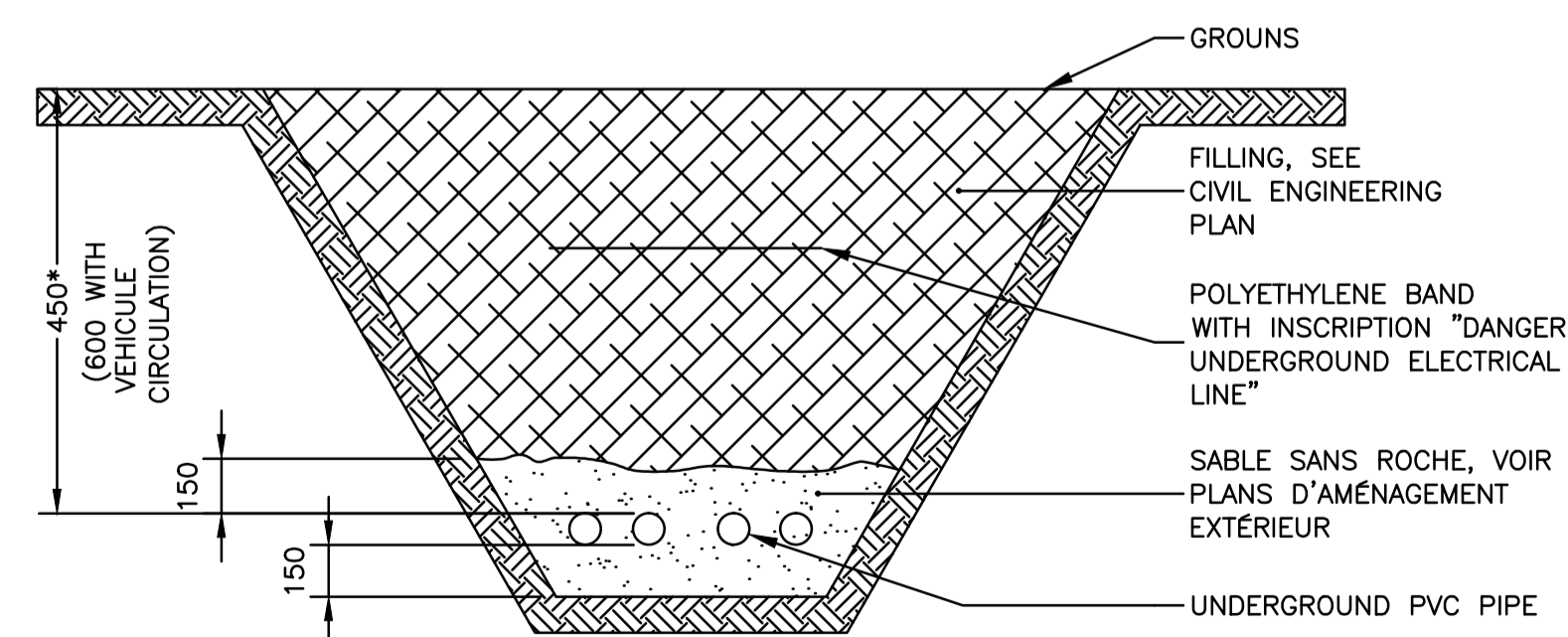
HEATING EQUIPMENTS SCHEDULE										
TYPE	CAPACITY	ÉLECTR.	INSTALLATION			SPECIFIED PRODUCT	OTHER ACCEPTABLE PRODUCT	NOTES		
			RECE.	CEIL.	SURF.					
C1	-	240V 1φ			X	STELPRO SHC SERIES	OUELLET	1,3		
C2	-	240V 1φ			X	STELPRO FFI SERIES	OUELLET	2,3		
(T)	4000W	240V 1φ			X	STELPRO #STE402NP+	AUBE, OUELLET			

NOTES

- BUILT-IN ELECTRONIC THERMOSTAT WITH NUMERIC DISPLAY
- CONTROL BY WALL LINE THERMOSTAT
- ARCHITECT COLOR CHOICE BY STANDARD RANGE OF THE MANUFACTURER

PANEL	PE-1	localisation	RANG.	total charge	47.27 kw.	recessed					
volt.	120/240-1PH-3F	circuit number	42	196.96	A	surface					
notes	watts circuits	other	heating	elec. outlet	Disj.	omnibus bars	Disj.	heating	elec. outlet	watts circuits	notes
Cuisinière	7200		X	40	2	1	2	2	30	5400	Sècheuse
Ch. salon,vestib.	4500		X	30	2	5	6	2	30	4500	Ch. s.dîner,cuis
Ch. cham.,s.bain	4500		X	30	2	9	10	2	30	2500	Ch. dépôt,vestib.
Ch. cham.,corrid.	4500		X	30	2	13	14	2	30	3500	Ch. cham.,s.bain
Chauffe-eau	3800		X	20	2	17	18	2	15	200	Pr. cuisine comp.
Écl. extérieur	20		X	15	1	21	22	1	15	140	Écl. rdc
Écl. intérieur	280		X	15	1	23	24	1	15	140	Écl. étage
Écl. vide sanit.	120		X	15	1	25	26	1	15		Libre
Prises sal.,s.din.	400		X	15	1	27	28	1	15	200	Prises cha. rdc
Prises réfrigéra.	700		X	15	1	29	30	1	15	350	Hotte de cuisine
Pr. comp. cuis.	100		X	20	1	31	32	1	15	850	Lave-vaisselle
Pr. s.bain comp.	200		X	20	1	33	34	1	15	450	Ventil. évac.
Lessiveuse	750		X	15	1	35	36	1	15	200	Prise s.bain
Prises s.élec.	200		X	15	1	37	38	1	15	400	Détec. fumée
Prises étage	200		X	15	1	39	40	1	15	150	Ventil. évac.
Pr. comp. toil.	100		X	20	1	41	42	1	15	200	Prises cha. étage
Prises cha.étage	200		X	15	1	43	44	1	15	200	Prises cha. étage
Prises cha.étage	200		X	15	1	45	46	1	15	200	lot
Libre				15	1	47	48	1	15		Libre
Libre				15	1	49	50	1	15		Libre
Libre				15	1	51	52	1	15		Libre
Libre				15	1	53	54	1	15		Libre
Espace				55		56					Espace
Espace				57		58					Espace
Espace				59		60					Espace
Espace				61		62					Espace
Espace				63		64					Espace
Espace				65		66					Espace
Espace				67		68					Espace
Espace				69		70					Espace
Espace				71		72					Espace
total	27890						total			19380	

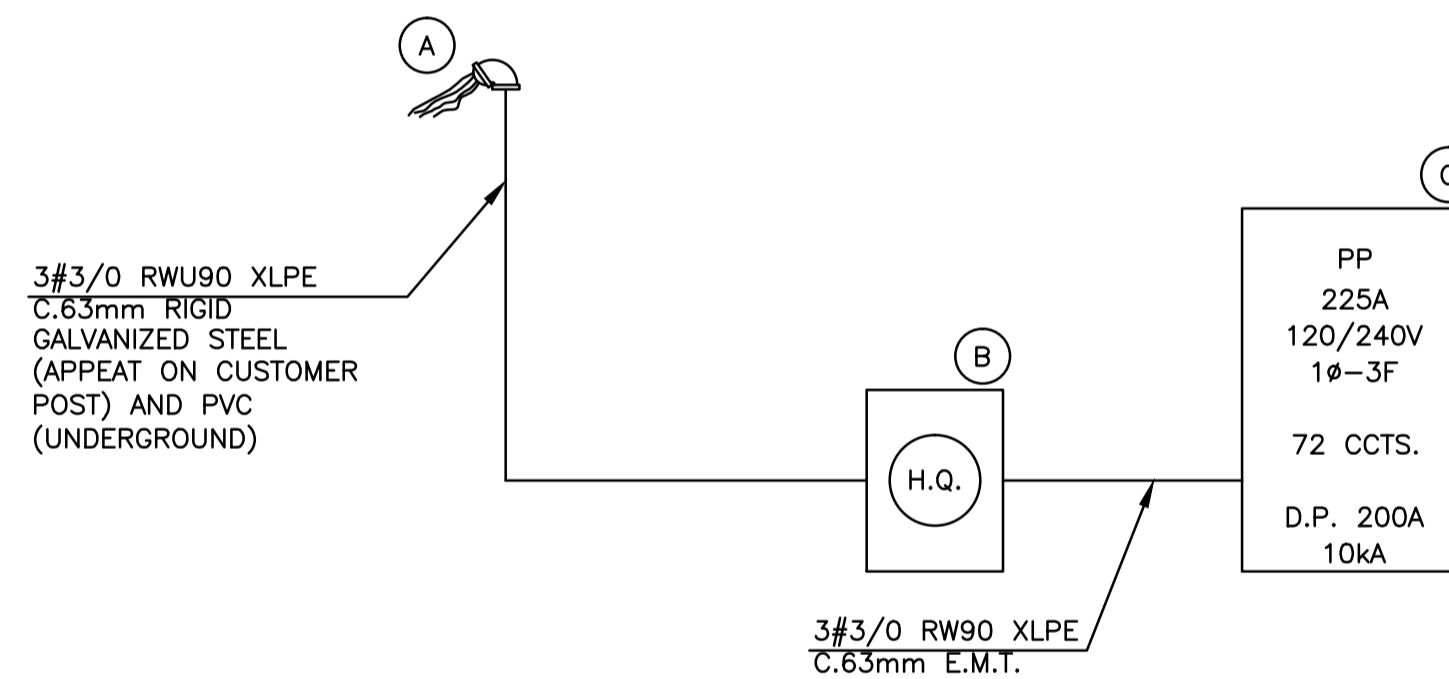
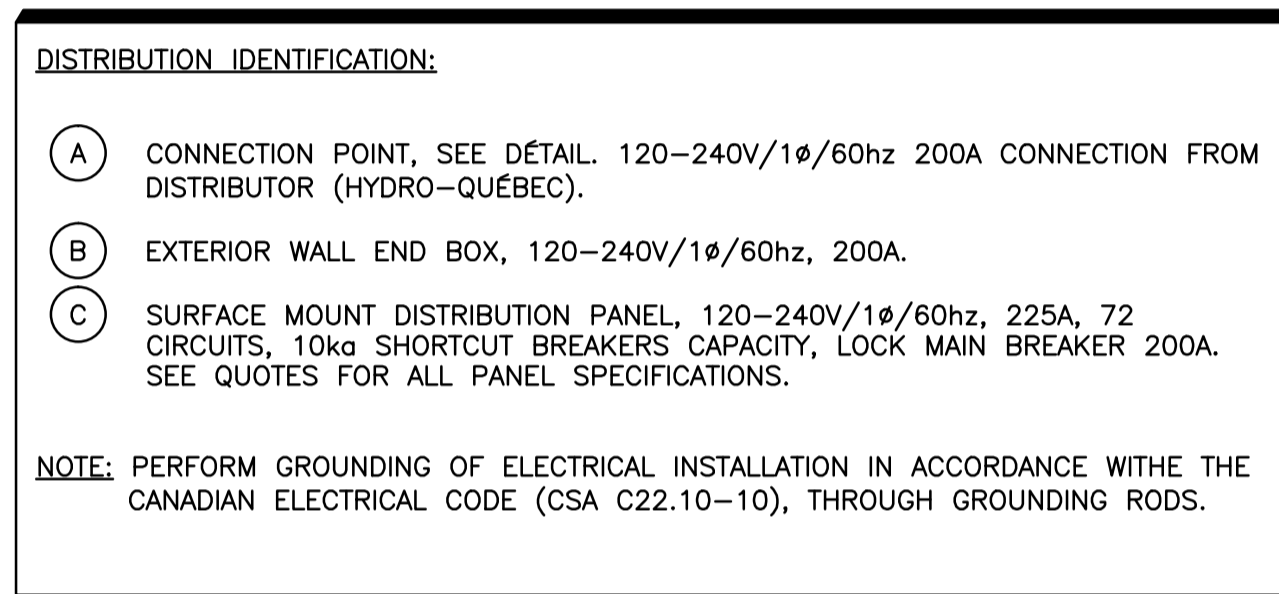
DISTRIBUTION PANEL #PE-1



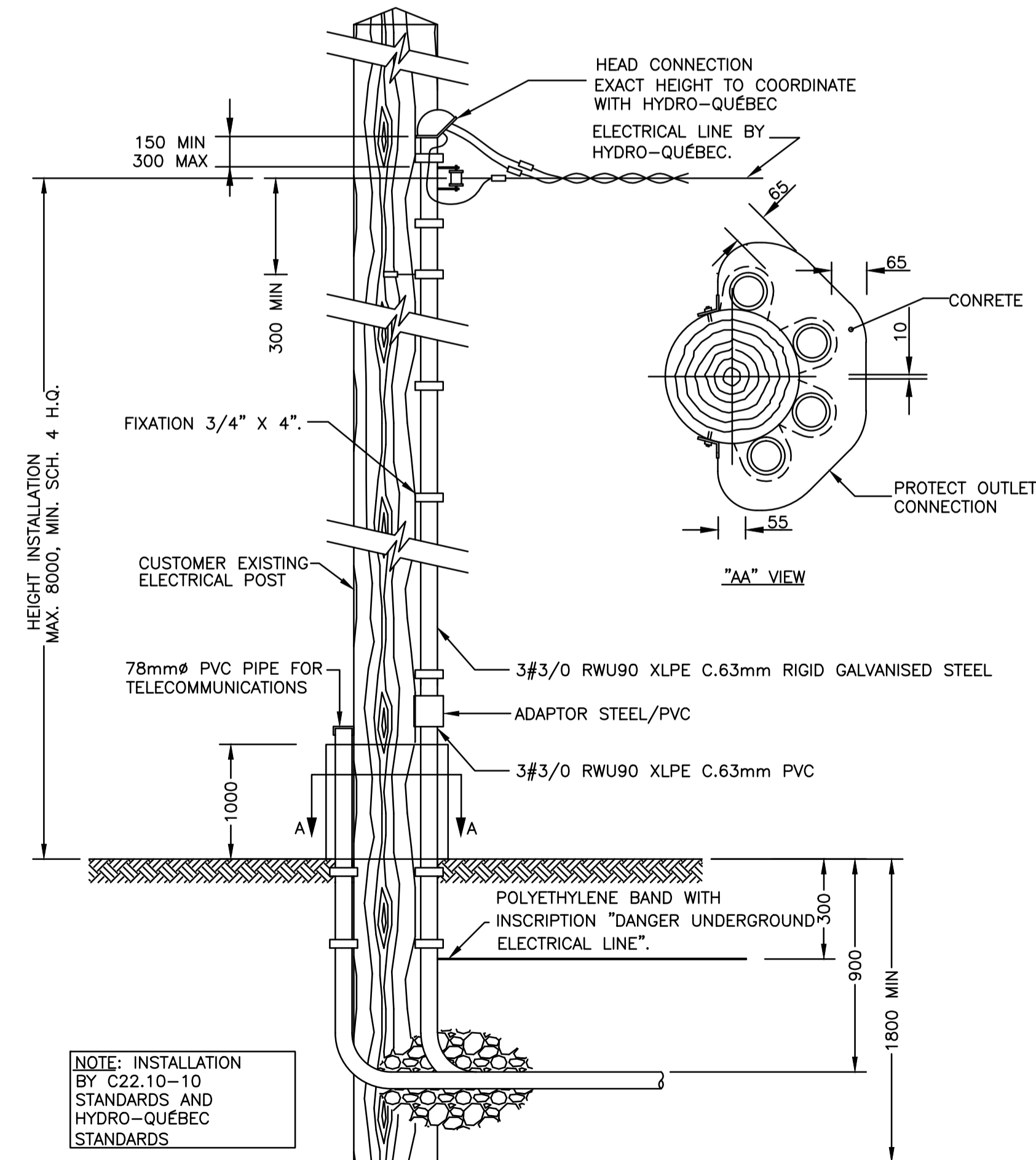
NOTES:
 EXCAVATION, BACKFILLING, COMPACTING, CONCRETE AND EARTHENING (PAVING OR OTHERWISE) BY GENERAL CONTRACTOR IN COORDINATION WITH ELECTRICAL CONTRACTOR.
 * SEE #53 SCHEDULE OF QUEBEC ELECTRICAL CODE.

DETAIL OF INSTALLATION OF UNDERGROUND ELECTRICAL PIPES

NO SCALE



DISTRIBUTION DIAGRAM



NOTE: INSTALLATION BY C22.10-10 STANDARDS AND HYDRO-QUÉBEC STANDARDS

DETAIL OF DISTRIBUTION CONNECTION POINT

NO SCALE

Canada
 Parcs Canada Parks Canada
 Gestion des biens et réalisation de projets Asset Management and Project Delivery
 Région du Québec Québec Region

stgmarchitectes

TETRA TECH

0	ISSUED FOR TENDER	23.05.2018
révisions	description	date

Projet: **AGENCE PARCS CANADA PARC NATIONAL FORILLON SECTEUR GRANDE-GRAVE RÉFECTION DE LA MAISON JOSEPH-GAVEY**
 Dessin: **PARKS CANADA FORILLON NATIONAL PARK GRANDE-GRAVE REGION RESTORATION OF THE HOUSE JOSEPH-GAVEY**

ELECTRICAL
LOT 1 AND 2
DESCRIPTIONS AND DETAILS

Conçu par	MATHIEU ROUSSEL	Designed By	
Date		(yyyy/mm/dd)	
Dessiné par		Drawn By	
Date	MATHIEU ROUSSEL	(yyyy/mm/dd)	
Examiné par	MATHIEU OUELLET	Reviewed By	
Date		(yyyy/mm/dd)	
Approuvé par	MATHIEU OUELLET	Approved By	
Date		(yyyy/mm/dd)	

No. du projet: **1817-2** Project no.
 APC: **PCA**
 No. du dessin: **E05-GL-PLN-1817-2.DWG** Drawing no.
E05

MECHANICAL LEGEND

PLUMBING - HEATING - AIR CONDITIONING - PETROLEUM PRODUCTS

—D— SANITARY DRAIN	—CHA— HOT WATER - SUPPLY	—G— GLOBE VALVE	—S— STRAINER	—B— BLIND FLANGE
—D— TUYAUTERIE DE DRAINAGE AU PLAFOND DE L'ETAGE CONCERNE	—CHR— HOT WATER - RETURN	—B— BALL VALVE	—S— STRAINER WITH DRAIN VALVE	—P— PIPING UP
—DP— STORM DRAIN	—V—X— STEAM	—B— STOP AND BALANCING VALVE	—P— PRESSURE GAUGE WITH BALL VALVE	—D— PIPING DOWN
—DF— BLIND OR FRENCH DRAIN	—EV— STEAM VENT	—B— BUTTERFLY VALVE	—T— THERMOMETER	—R— RACCORD PAR LE DESSOUS
—EGP— SEWER	—C—X— CONDENSATE	—B— EEL VALVE (GAZ)	—T— PRESSURE GAUGE FITTING WITH BALL VALVE	—R— RACCORD PAR LE DESSOUS
—E— VENT	—CP— POMPED CONDENSATE	—N— NEEDLE VALVE	—T— PUIIS D'IMMERSION POUR THERMOMETRE	—D— DRAINER ELBOW
—EFP— DOMESTIC COLD WATER	—HA—X— OIL NO X - SUPPLY	—D— DRAIN VALVE WITH HOSE PLUG AND CAP	—M— MANUAL AIR VENT	—F— FILTER
—ECP— DOMESTIC HOT WATER	—HR—X— OIL NO X - RETURN	—S— SLOW OPENING VALVE	—A— AUTOMATIC AIR VENT	—F— FLOOR DRAIN
—ECP— DOMESTIC HOT WATER RETURN	—HE—X— OIL NO X - VENT	—Q— QUICK OPENING VALVE	—C— FLEXIBLE CONNECTOR	—F— FUNNEL FLOOR DRAIN
—180— DOMESTIC HOT WATER 180°F	—GN—X— NATURAL GAS	—P— PRESSURE REDUCING VALVE	—E— EXPANSION JOINT WITH GUIDES	—R— ROOF DRAIN
—180R— DOMESTIC HOT WATER RETURN 180°F	—GNE— NATURAL GAS - VENT	—C— CHECK VALVE	—S— SLEEVE	—DO— OPEN DRAIN
—EMP— DRINKABLE WARM WATER	—GP—X— PROPANE GAS	—C— CHECK VALVE WITH FLOOR ACCESS TRAP	—A— ANCHOR	—RP— FLOOR DRAIN
—EFS— SERVICE COLD WATER	—GPE— PROPANE GAS - VENT	—C— CHOCKPROOF REDUCING VALVE	—R— RUNNING TRAP	—RPE— FUNNEL FLOOR DRAIN
—ECS— SERVICE HOT WATER	—EA— SOFT WATER	—C— CHECK VALVE WITH FLOOR ACCESS TRAP	—R— RUNNING WITH FLOOR ACCESS	—RT— ROOF DRAIN
—ECSR— RECIRCULATE SERVICE HOT WATER	—ED— DEALCANISED WATER	—U— UNION	—DAR— BACK FLOW PREVENTER	—CS-X— SANITARY STACK NO. X
—EGA— CHILLED WATER - SUPPLY	—TC— CHEMICAL TREATMENT	—F— FLANGE	—G— GAS REGULATOR	—CE-X— VENT STACK NO. X
—EGR— CHILLED WATER - RETURN	—TE— SAMPLE TREATMENT	—C— CHOC ABSORBER	—S— STEAM TRAP	—CP-X— STORM STACK NO. X
—ETA— COOLING TOWER WATER - SUPPLY	—VS— TOP BLOWDOWN	—P— PRESSURE SAFETY VALVE	—P— PUMP	
—ETR— COOLING TOWER WATER - RETURN	—VF— BOTTOM BLOWDOWN	—P— PRESSURE AND TEMPERATURE SAFETY VALVE	—C— CONCENTRIC REDUCER	
—GCA— HOT GLYCOL - SUPPLY	—RL— REFRIGERANT - LIQUID	—W— WALL HYDRANT	—E— ECCENTRIC REDUCER	
—GCR— HOT GLYCOL - RETURN	—RD— REFRIGERANT - DISCHARGE	—W— ENCASED HYDRANT	—C— QUICK CONNECTION FOR COMPRESSED AIR	
—GFA— COLD GLYCOL - SUPPLY	—RS— REFRIGERANT - SUCTION (GAS)	—R— ROBINET D'ARROSAGE APPARENT INTERIEUR	—M— METER	
—GFR— COLD GLYCOL - RETURN	—AC— COMPRESSED AIR	—C— CLEAN OUT	—S— SCREWED CAP TIGHT	
—GRA— RECUPERATION GLYCOL - SUPPLY	—AR— BREATHABLE AIR	—C— CLEAN OUT WITH FLOOR ACCESS TRAP		
—GRR— RECUPERATION GLYCOL - RETURN	—G— GATE-VALVE			

FIRE PROTECTION

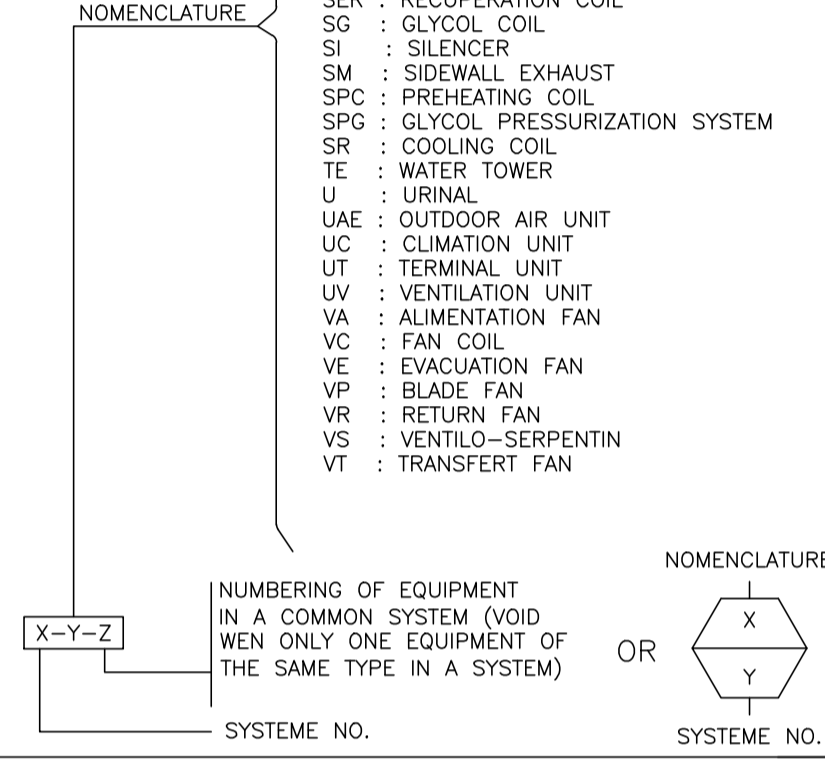
—PI— WET PIPE FIRE PROTECTION STANDPIPE	—P.I.V.— POST INDICATOR VALVE	—S— SURFACE HAND EXTINGUISHER
—PIA— AIR PIPE FIRE PROTECTION STANDPIPE	—W.F.I.— WATER FLOW INDICATOR WITH SUPERVISORY SWITCH	—R— RECESSED HAND EXTINGUISHER
—S— SPRINKLER UP OR DOWN	—S.V.— STOP VALVE WITH SUPERVISORY SWITCH	—S.M.— SURFACE MOUNTED FIRE HOSE STATION
—X— TYPICAL WHEN INDICATED	—B.V.— BUTTERFLY VALVE WITH SUPERVISORY SWITCH	—R.F.H.S.— RECESSED FIRE HOSE STATION
—X— SIDEWALL SPRINKLER TYPICAL WHEN INDICATED	—S.O.— STANDPIPE OUTLET	—S.C.— SIAMESE CONNECTION
—X— SIDEWALL EXTENDED COVERAGE SPRINKLER TYPICAL WHEN INDICATED	—S.A.— SOUPAPE D'ALARME SOUS-AIR	—F.H.— FIRE HYDRANT
	—S.E.— SOUPAPE D'ALARME SOUS-EAU	—W.M.A.— WATER MOTER ALARM

VENTILATION

—S— HEATING COIL	—H— HUMIDIFIER	—O.L.— ONE LINE DUCT	—F— FILTER	—M.D.— MANUAL DAMPER
—C— COOLING COIL	—O.V.— FLAT OVAL DUCT	—O.L.F.— ONE LINE FLEXIBLE DUCT	—F.D.— FIRE DAMPER WITH ACCESS DOOR	—G.D.— GRAVITY DAMPER
—D.E.— DIRECT EXPANSION COIL	—O.— OFFSET	—F.— FLEXIBLE DUCT	—M.F.D.— MOTORIZED FIRE DAMPER WITH ACCESS DOOR	—S.M.— SINGLE OR MULTIBLADE SPLITTER DAMPER
—F.B.— FACING BY-PASS HEATING COIL	—R.C.— RECTANGULAR TO CIRCULAR TRANSFORMATION	—A.— ACOUSTIC TRANSFER	—M.S.D.— MOTORIZED SMOKE DAMPER WITH ACCESS DOOR	—T.V.— TURNING VANES
—E.— ELECTRIC COIL	—F.A.— FLEXIBLE ADAPTOR	—S.D.— SUPPLY DUCT UP	—M.F.S.D.— MOTORIZED FIRE AND SMOKE DAMPER WITH ACCESS DOOR	—P.A.E.— OUTSIDE AIR INTAKE
—T.R.— TERMINAL REHEAT COIL	—A.D.— ACCES DOOR	—S.D.— SUPPLY DUCT DOWN	—P.S.D.— PARALLEL BLADE MOTORIZED DAMPER	—S.A.E.— AIR ESCAPE TO OUTSIDE
	—S.— SILENCER	—R.E.— RETURN OR EXHAUST DUCT UP	—O.B.D.— OPPOSED BLADE MOTORIZED DAMPER	—D.O.— DUCT OR EQUIPMENT CROSSING OR PARALELL TO JOIST
		—R.E.— RETURN OR EXHAUST DUCT DOWN		—B.P.C.— DOOR BOTTOM CUT AT 20mm (3/4") FROM FLOOR - SEE ARCHITECTURAL DRAWINGS

EQUIPMENTS IDENTIFICATION

AS : TRAP PRIMER	AT : UNIT HEATER
B : BATH	BC : CATCH BASIN
C : AIR COMPRESSOR	CA : WATER CLOSET
CC : CONDENSOR-COMPRESSOR	CD : CONDENSOR
CH : CHIMNEY	CL : AIR CONDITIONNER
CN : NUMERIC CONTROLLER	CP : PULSE COUNTER
D : SHOWER	DU : EMERGENCY SHOWER
DX : DIRECT EXPANSION COIL	E : SINK
EC : EXCHANGER	F : FILTER
FR : FONTAIN	HC : SUCTION HOOD
HL : FUME CUPBOARD	HU : HUMIDIFIER
INT : INTERCEPTOR	L : LAVATORY
LY : EYE WASH	P : PUMP
PD : FEED PUMP	PF : PRE-FILTER
PM : MURAL LOUVRE	RF : COOLER
RM : MOTORIZED DAMPER	SC : HEATING COIL
SE : ELECTRIC COIL	SER : RECUPERATION COIL
SG : GLYCOL COIL	SI : SILENCER
SM : SIDEWALL EXHAUST	SPC : PREHEATING COIL
SPG : GLYCOL PRESSURIZATION SYSTEM	SR : COOLING COIL
TE : WATER TOWER	U : URINAL
UAE : OUTDOOR AIR UNIT	UC : CLIMATION UNIT
UT : TERMINAL UNIT	UV : VENTILATION UNIT
VA : ALIMENTATION FAN	VC : FAN COIL
VE : EVACUATION FAN	VP : BLADE FAN
VR : RETURN FAN	VS : VENTILLO-SERPENTIN
VT : TRANSFERT FAN	



COMMON SYMBOLS

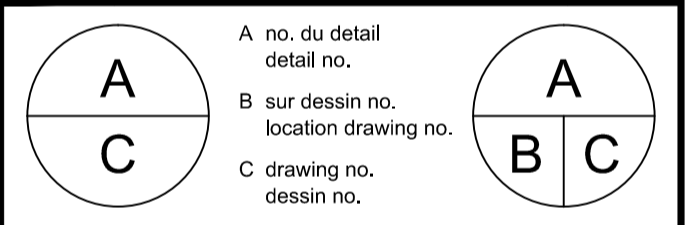
EAM	EQUIPMENT TO BE MODIFY
EAR	EQUIPMENT TO BE RELOCATED
EC	EQUIPMENT TO REMAIN
EE	EQUIPMENT TO REMOVE
ER	RELOCATED EQUIPMENT
N	NEW EQUIPMENT
EH	IN UP
EB	IN DOWN
NF	NORMALLY CLOSED
NO	NORMALEMENT OPENED
△	CAP AT THIS POINT
△	CONNECT AT THIS POINT
△	REMOVE UP TO THIS POINT AND CAP IF NECESSARY
—	EXISTING TO REMAIN
-X-X-	EXISTING TO REMOVE
—	NEW
NOTE #X.Y	NOTE No X ON DRAWING No Y
△	SECTION No
△	SEE DRAWING No.
△	DETAIL No
△	SEE DRAWING No.

GENERAL NOTES

- ALL SYMBOLS DO NOT NECESSARILY APPLY TO THIS PROJECT
- DIFFERENT SYMBOLS OF THE PRESENT LEGEND WERE REGROUPED BY SPECIALITY TO EASE THERE USE. THE USE OF A SYMBOL IS NOT LIMITED TO THE SPECIALITY SHOWN BECAUSE THE LEGEND CONSTITUTE A COHERENT HOLE. THE SIGNIFICATION OF A SYMBOL REMAIN THE SAME FROM ONE SPECIALITY TO ANOTHER UNLESS SPECIFIED IN DRAWINGS AND/OR SPECIFICATIONS.



révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

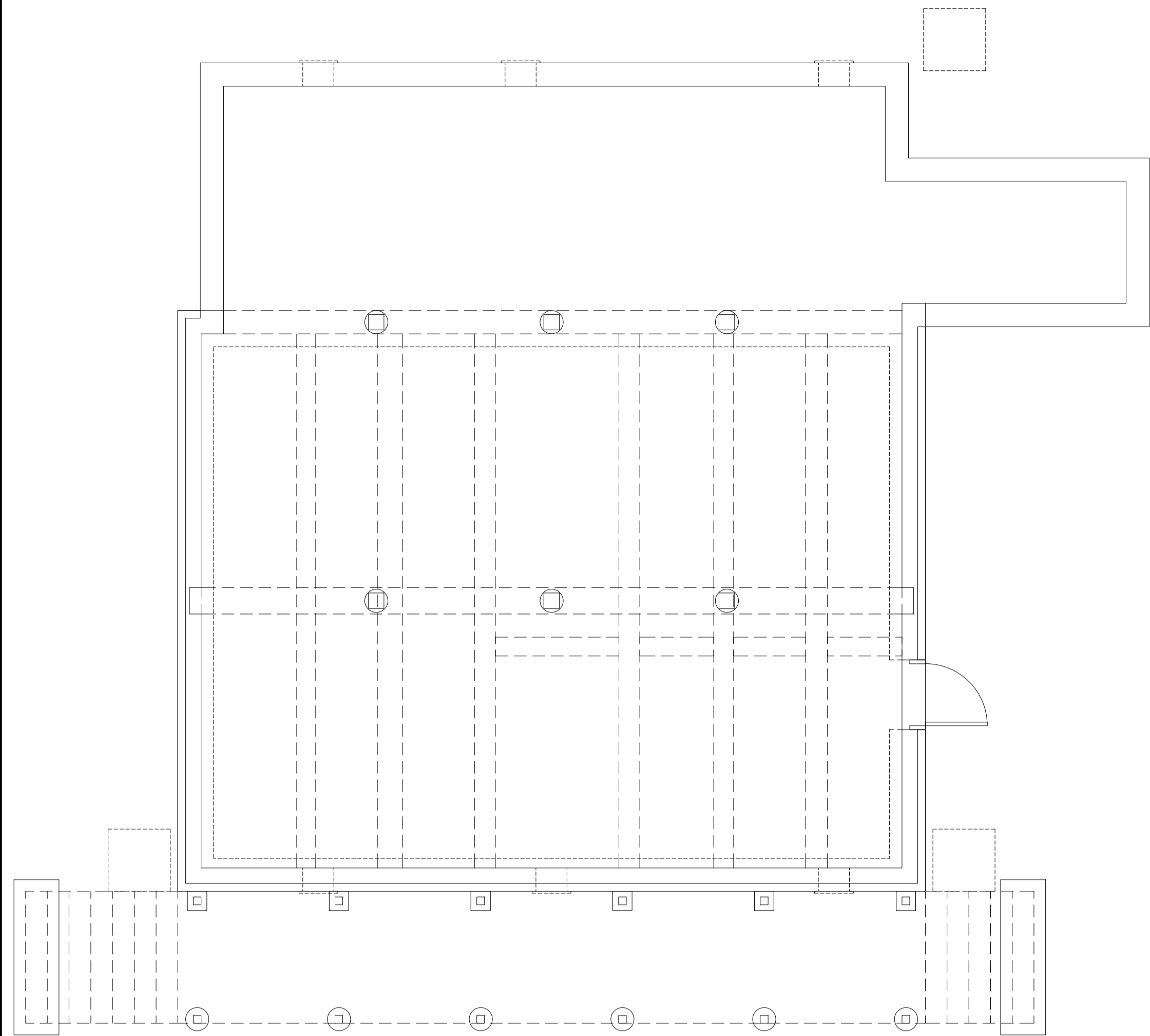
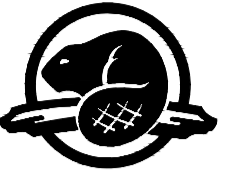


Projet / Project
AGENCE PARCS CANADA
PARC NATIONAL FORILLON
SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON JOSEPH-GAVEY
PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE JOSEPH-GAVEY

Dessin / Drawing
MECHANICAL
LOT 2
LEGEND

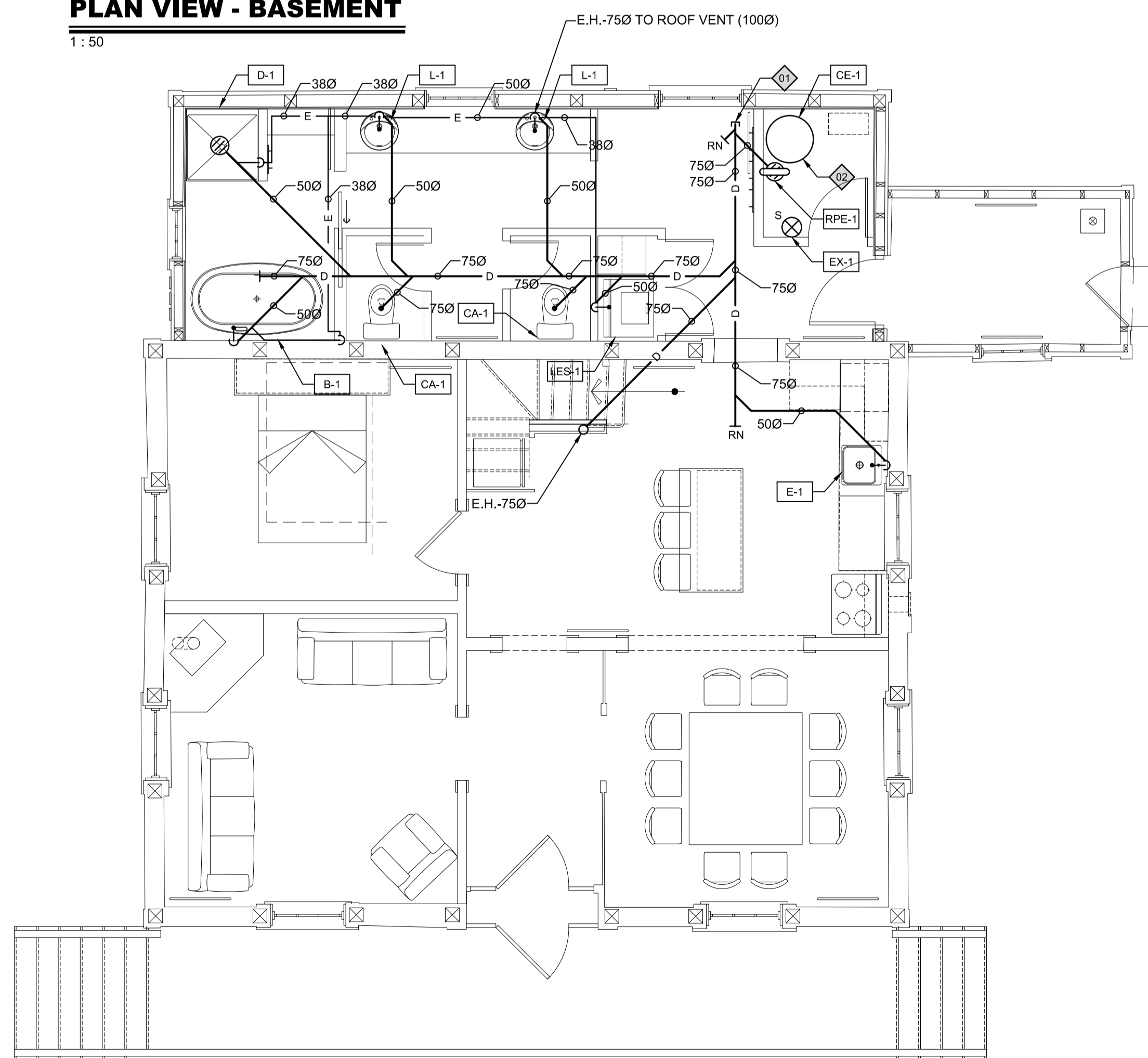
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Date / (yyyy/mm/dd)	
Dessiné par / Drawn By	MATHIEU ROUSSEL
Date / (yyyy/mm/dd)	
Examiné par / Reviewed By	MATHIEU OUELLET
Date / (yyyy/mm/dd)	
Approuvé par / Approved By	MATHIEU OUELLET
Date / (yyyy/mm/dd)	

No. du projet / Project no.	1817-2
APC	PCA
No. du dessin / Drawing no.	M01-GL-PLN-1817-2.DWG M01



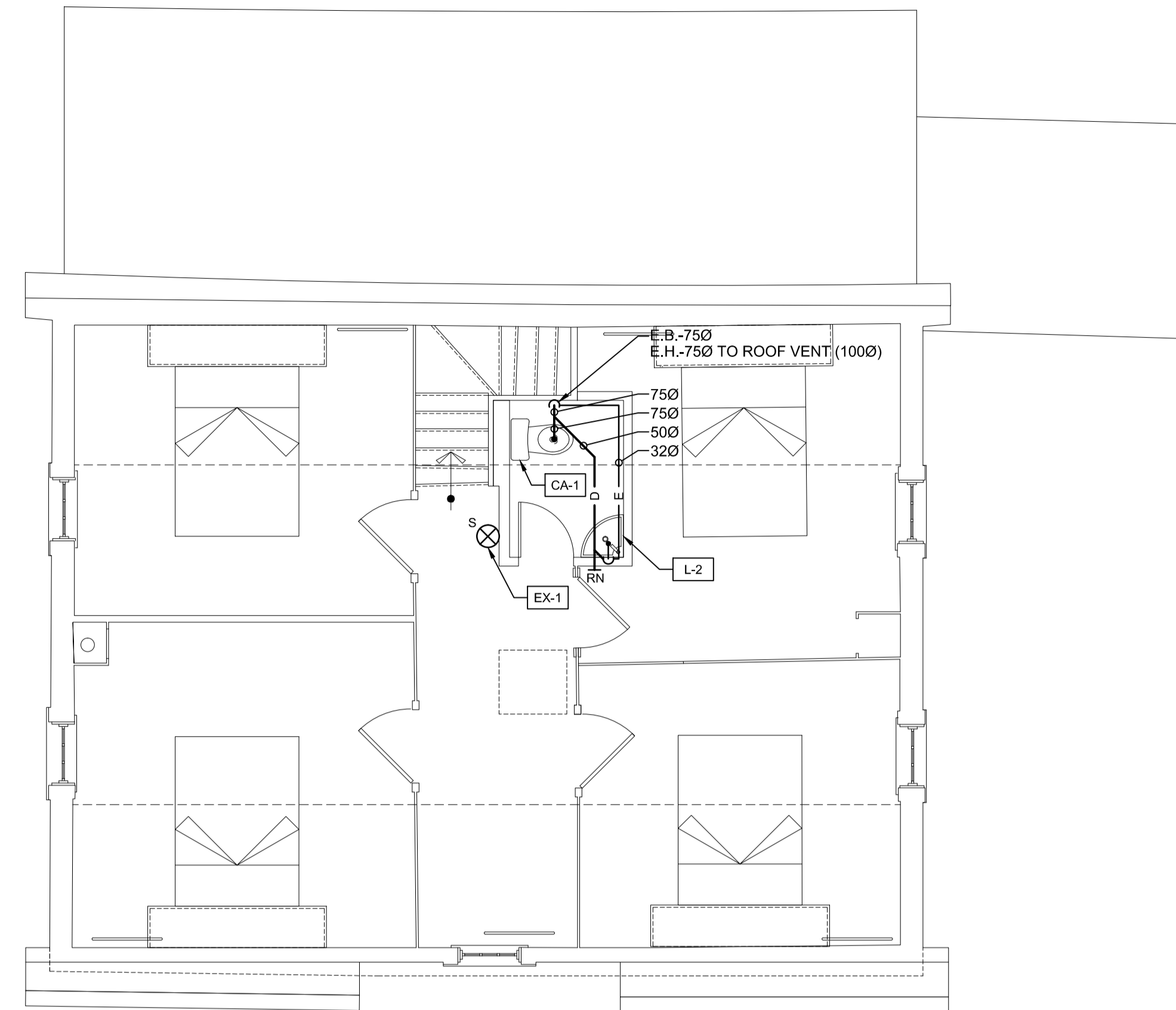
PLAN VIEW - BASEMENT

1 : 50



PLAN VIEW - GROUND FLOOR

1 : 50



PLAN VIEW - FIRST FLOOR

1 : 50

SPECIFIC NOTES - CONSTRUCTION

- 01 NEW EXIT OF SANITARY DRAINAGE (100mmØ). CAP PIPING FOR FUTURE CONNECTION.
- 02 NEW ELECTRIC WATER HEATER, SEE INSTALLATION DETAIL.

GENERAL NOTES

THE PLUMBING CONTRACTOR SHALL REFER TO THE ARCHITECTURE PLANS FOR ALL DETAILS AT EXISTING AND DISMANTLED PARTITIONS AND CEILINGS, FOR PLUMBING PIPES LOCATION.

révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

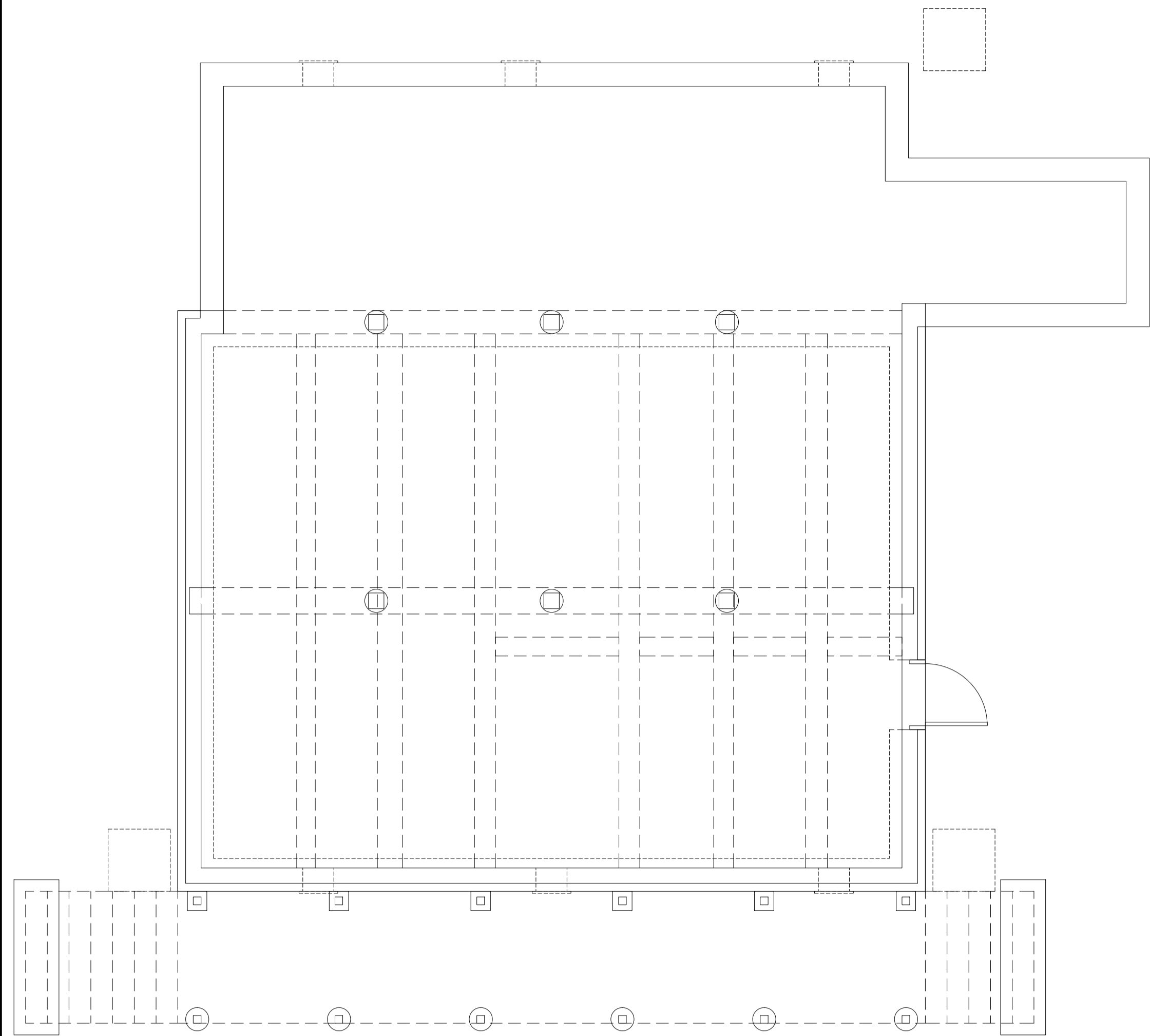
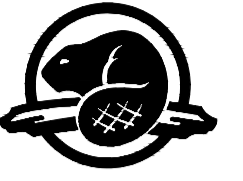
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Projet / Project
AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
 JOSEPH-GAVEY
PARKS CANADA
 FORILLON NATIONAL PARK
 GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin / Drawing
MECHANICAL
LOT 2
PLUMBING (DRAINAGE)
CONSTRUCTION
PLAN VIEWS

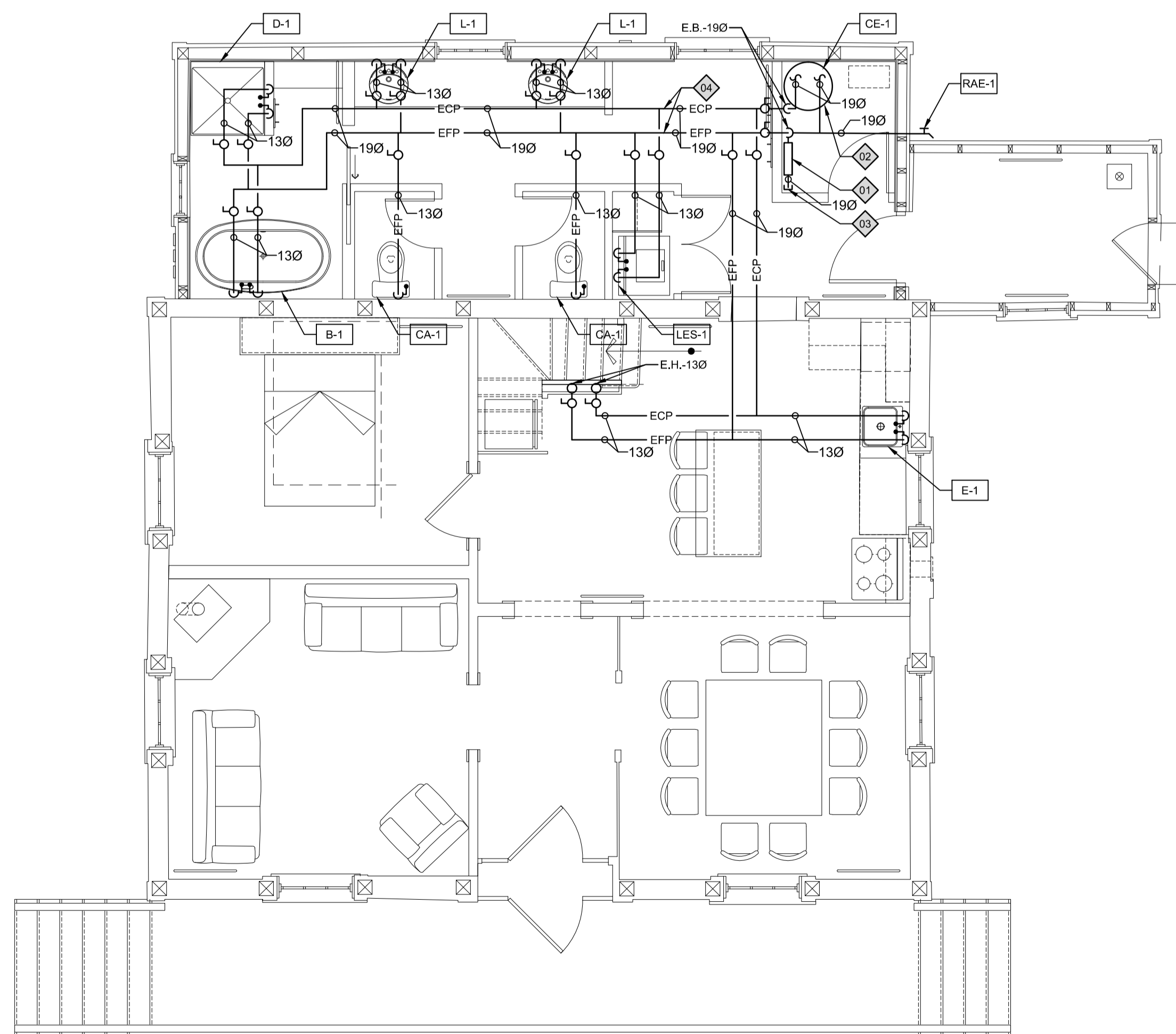
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No. du projet / Project no.	1817-2
APC / PCA	
No. du dessin / Drawing no.	M02-GL-PLN-1817-2.DWG M02



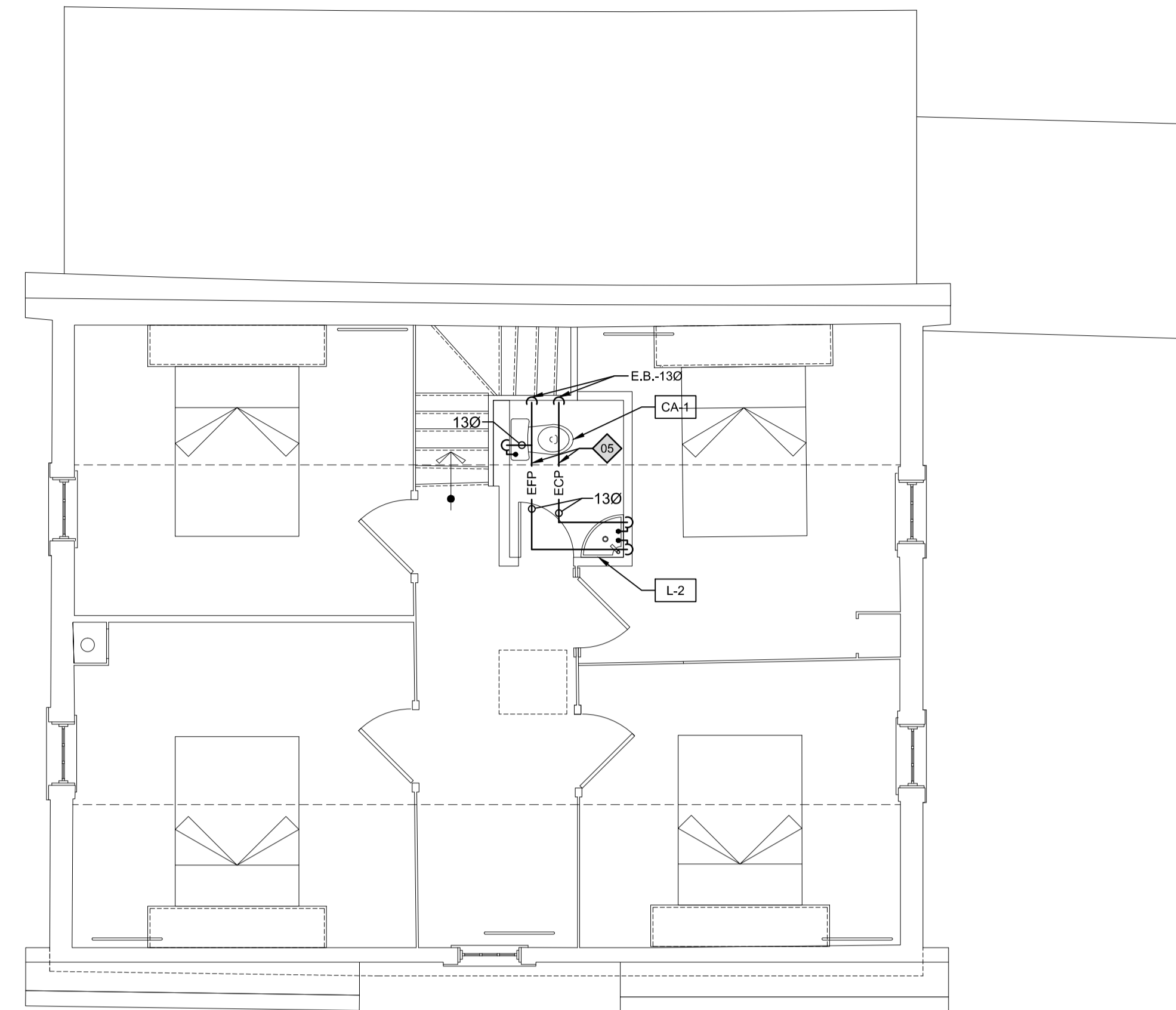
PLAN VIEW - BASEMENT

1 : 50



PLAN VIEW - GROUND FLOOR

1 : 50



PLAN VIEW - FIRST FLOOR

1 : 50

SPECIFIC NOTES - CONSTRUCTION

- 01 NEW POTABLE WATER ENTRANCE (19mmØ), SEE INSTALLATION DETAIL.
- 02 NEW ELECTRIC WATER HEATER, SEE INSTALLATION DETAIL.
- 03 19mmØ PIPE, CAP FOR FUTUR CONNECTION.
- 04 PIPES LOCATED IN THE BASEMENT. PERFORM INSTALLATION OF PURGE VALVES (WITH CAP AND CHAIN) AT LOW POINT OF THE PIPING (HOT AND COLD WATER) TO PERMIT DRAINAGE.
- 05 PIPES LOCATED AT THE CEILING OF THE LOWER FLOOR. CARRY OUT THE INSTALLATION OF THE PIPING IN SLOPE TO ALLOW DRAINAGE TO THE PURGE VALVES LOCATED IN THE BASEMENT.

GENERAL NOTES

THE PLUMBING CONTRACTOR SHALL REFER TO THE ARCHITECTURE PLANS FOR ALL DETAILS AT EXISTING AND DISMANTLED PARTITIONS AND CEILINGS, FOR PLUMBING PIPES LOCATION.

révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

A C	A no. du detail detail no. B sur dessin no. location drawing no. C drawing no. dessin no.	A B C
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Projet / Project
AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
 JOSEPH-GAVEY
PARKS CANADA
 FORILLON NATIONAL PARK
 GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin / Drawing
MECHANICAL
LOT 2
PLUMBING (SUPPLY)
CONSTRUCTION
PLAN VIEWS

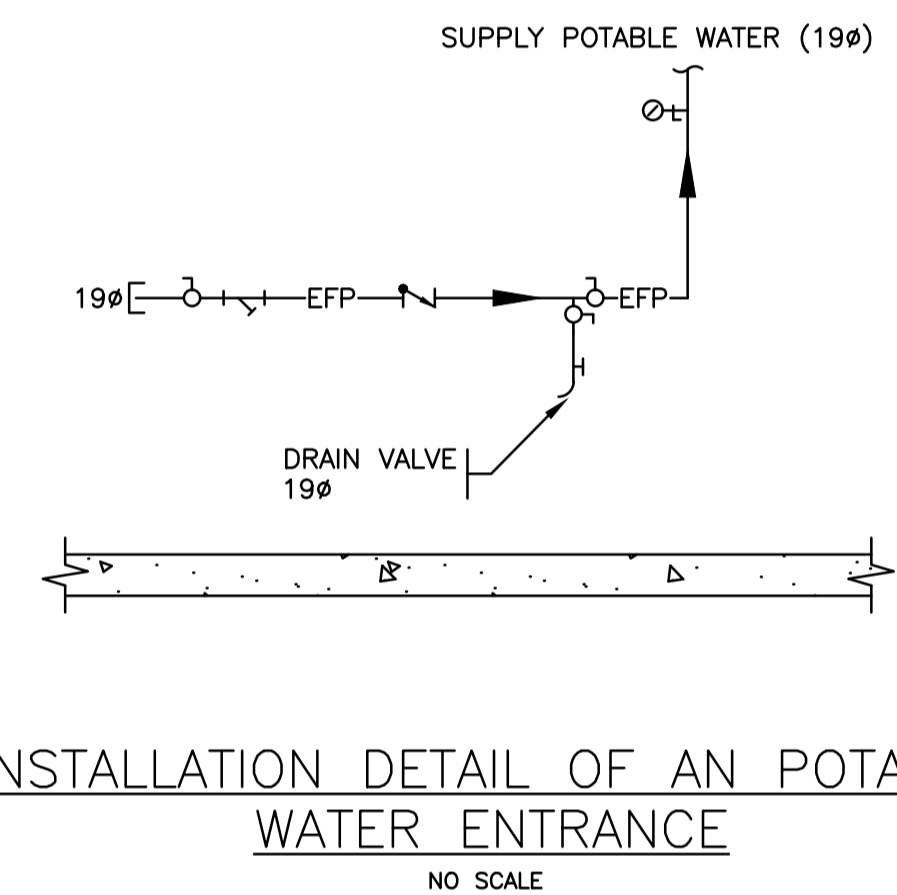
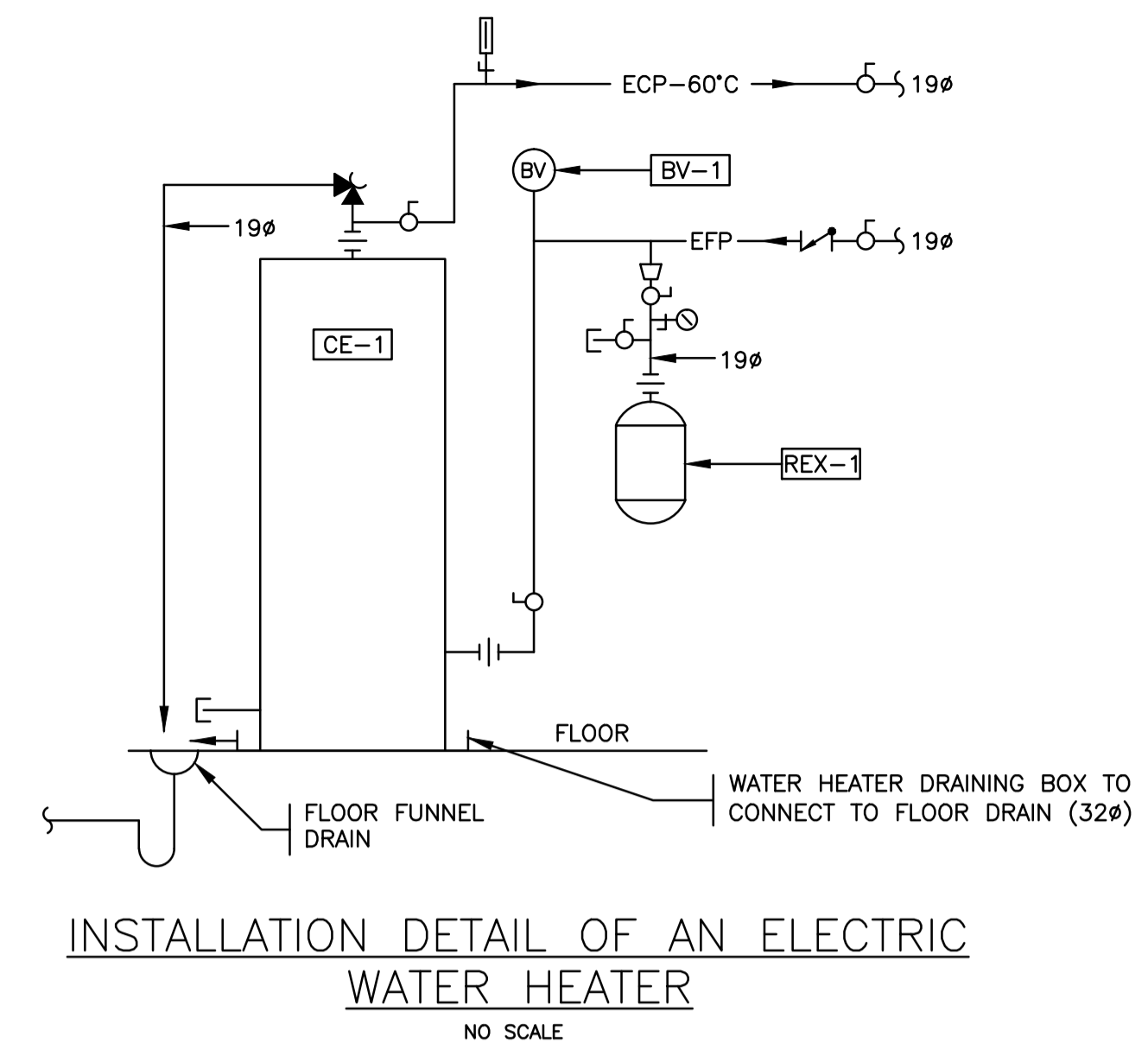
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Approuvé par / Approved By	MATHIEU OUELLET
Date / (yyyy/mm/dd)	

No. du projet / Project no.	1817-2
APC / PCA	
No. du dessin / Drawing no.	M03-GL-PLN-1817-2.DWG M03

EQUIPMENTS DESCRIPTIONS:

- B-1** FREESTANDING BATH INCLUDING THE FOLLOWING COMPONENTS:
 ENAMEL CAST IRON FREESTANDING BATH, ANTI-SLIP SURFACE, REVERSIBLE DRAIN, WHITE COLOR, WHITE SUPPORTS, OIL BRONZE FINISH DRAINAGE ASSEMBLY.
 SPECIFIED PRODUCT: KOHLER #K-710-W-0 / #K-1103-0 / #K-7104-2BZ.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, TOTO.
 FREESTANDING BATH FAUCET, OIL BRONZE FINISH, OIL BRONZE FINISH RISERS.
 SPECIFIED PRODUCT: KOHLER #K-331-4M-2BZ / #K-127-BRZ.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, DELTA, TOTO.
- BV-1** VACUUM BREAKER, LOW LEAD CONSTRUCTION, CAST IRON CONSTRUCTION.
 SPECIFIED PRODUCT: ZURN/WILKINS #35XL.
 OTHER ACCEPTABLE PRODUCT: APOLLO, WATTS.
- CA-1** TOILET INCLUDING THE FOLLOWING COMPONENTS:
 HIGH EFFICIENCY 2 PIECES TOILET, VITREOUS CHINA CONSTRUCTION, ELONGATED BOWL, DISSIMULATED BOLTS, 6L SEAT FOR ELONGATED BOWL.
 SPECIFIED PRODUCT: KOHLER #K-3814 / #K-4008.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, TOTO.
 LOW LEAD ANGLE VALVE, NICKEL HANDLE, SHOCK ABSORBER, BRAIDED STAINLESS STEEL SUPPLY AND WALL ROUND CHROME FINISH.
 SPECIFIED PRODUCT: DALH #611-14WHA/#E53-2276.
 OTHER ACCEPTABLE PRODUCT: MCGUIRE, ZURN.
- CE-1** ELECTRIC WATER HEATER, 61 IMPERIAL GALLONS, 3800W, 240V/1Ø/60hz ELECTRICAL CONNECTION, 50mm INSULATION, BRASS DRAINAGE VALVE.
 SPECIFIED PRODUCT: GIANT #172E-3F8M.
 OTHER ACCEPTABLE PRODUCT: JOHN WOOD, RHEEM.
- D-1** SHOWER INCLUDING THE FOLLOWING COMPONENTS:
 FIBERGLASS 4 PIECE SHOWER CABIN, WHITE FINISH, DOOR ON PIVOT WITH FRAME.
 SPECIFIED PRODUCT: MAAX #145024-002 / #136435.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, KOHLER, TOTO.
 SHOWER FAUCET KIT, BALANCED PRESSURE MIXER, SHOWERHEAD AND COMBINED HANDSHOWER, OIL BRONZE FINISH.
 SPECIFIED PRODUCT: KOHLER #K-10826-4-2BZ/#K-304-KS-NA.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, DELTA, TOTO.
 BRASS SHOWER DRAIN WITH REMOVABLE STAINLESS STEEL GRID.
 SPECIFIED PRODUCT: ZURN #FD2275-BR2.
 OTHER ACCEPTABLE PRODUCT: J.R. SMITH, WATTS.
- E-1** KITCHEN SINK INCLUDING THE FOLLOWING COMPONENTS:
 DROP-IN VITREOUS CHINA KITCHEN SINK, 3 HOLES (200mm C/C), CHROME FINISH BRASS DRAIN.
 SPECIFIED PRODUCT: KOHLER #K-12701 / K-9000.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, TOTO.
 WALLMOUNT FAUCET (200mm), CAST IRON CHROME FINISH.
 SPECIFIED PRODUCT: KOHLER #K-159-3-CP.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, DELTA, TOTO.
 (2) LOW LEAD ANGLE VALVE, NICKEL HANDLE, SHOCK ABSORBER, (2) BRAIDED STAINLESS STEEL SUPPLY AND WALL ROUND CHROME FINISH.
 SPECIFIED PRODUCT: DALH #611-14WHA/#E53-2278.
 OTHER ACCEPTABLE PRODUCT: MCGUIRE, ZURN.
 SUPPLY AND INSTALL AN AUTOMATIC VENT AT THE SINK DRAIN PIPING.
- EX-1** PORTABLE 5LBS FIRE EXTINGUISHER, 6A-80BC, WALL FASTENING HOOK.
 SPECIFIED PRODUCT: DIAMOND #WBDL-ABC-05.
 OTHER ACCEPTABLE PRODUCT: FLAG-FIRE, WILLIAM BROTHERS.
- L-1** BATHROOM SINK INCLUDING THE FOLLOWING COMPONENTS:
 DROP-IN ENAMEL CAST IRON ROUND BATHROOM SINK, WHITE FINISH, FRONT OVERFLOW.
 SPECIFIED PRODUCT: KOHLER #K-20211-W-0.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, TOTO.
 SINGLE HANDLE FAUCET, OIL BRONZE FINISH.
 SPECIFIED PRODUCT: KOHLER #K-12182-2BZ.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, DELTA, TOTO.
 (2) LOW LEAD ANGLE VALVE, NICKEL HANDLE, SHOCK ABSORBER, (2) BRAIDED STAINLESS STEEL SUPPLY AND WALL ROUND CHROME FINISH.
 SPECIFIED PRODUCT: DALH #611-14WHA/#E53-2278.
 OTHER ACCEPTABLE PRODUCT: MCGUIRE, ZURN.
 CHROME FINISH BRASS DRAIN WITH CLEANOUT.
- L-2** PEDESTAL BATHROOM SINK INCLUDING THE FOLLOWING COMPONENTS:
 PEDESTAL VITROUS CHINA CORNER SINK, WHITE FINISK, FRONT OVERFLOW, 1 HOLE, WALL MOUNT.
 SPECIFIED PRODUCT: AMERICAN STANDARD #0611 100.
 OTHER ACCEPTABLE PRODUCT: KOHLER, TOTO.
 SINGLE HANDLE FAUCET, OIL BRONZE FINISH.
 SPECIFIED PRODUCT: KOHLER #K-12182-2BZ.
 OTHER ACCEPTABLE PRODUCT: AMERICAN STANDARD, DELTA, TOTO.
 (2) LOW LEAD ANGLE VALVE, NICKEL HANDLE, SHOCK ABSORBER, (2) BRAIDED STAINLESS STEEL SUPPLY AND WALL ROUND CHROME FINISH.
 SPECIFIED PRODUCT: DALH #611-14WHA/#E53-2278.
 OTHER ACCEPTABLE PRODUCT: MCGUIRE, ZURN.
 CHROME FINISH BRASS DRAIN WITH CLEANOUT.

- LÉS-1** WASHING MACHINE BOX, SHOCKS ABSORBERS, CHROME FINISH BRASS VALVES.
 SPECIFIED PRODUCT: SIOUX CHIEF #696RG2313MF.
 OTHER ACCEPTABLE PRODUCT: BÉLANGER, PPP.
- RAE-1** EXPOSED NON-FREEZE WALL HYDRANT, KEY CONTROL, BRASS CONSTRUCTION, 19mmØ CONNECTION. LENGTH OF THE SUPPLY PIPE TO COORDINATE AT SITE FOR OUTDOOR WALL THICKNESS.
 SPECIFIED PRODUCT: ZURN #Z1321XL.
 OTHER ACCEPTABLE PRODUCT: J.R. SMITH, WATTS.
- REX-1** THERMAL EXPANSION TANK, STEEL TANK, PRECHARGED, ASME APPROBATION, 2.1 GALLONS CAPACITY.
 SPECIFIED PRODUCT: FLEXCON #FTTA-5.
 OTHER ACCEPTABLE PRODUCT: AMTROL, H&G.
- RPE-1** FUNNEL FLOOR DRAIN INCLUDING THE FOLLOWING COMPONENTS:
 FLOOR DRAIN WITH ROUND STRAINER AND OVAL 83x197mm FUNNEL, NICKEL BRONZE FINISH, SEDIMENTS BUCKET.
 SPECIFIED PRODUCT: ZURN #ZN415-BF-Y.
 AUTRES PRODUITS ACCEPTABLES: J.R. SMITH, WATTS.
 FLOOR DRAIN TRAP SEALER, INTEGRATED VENT.
 SPECIFIED PRODUCT: SURE SEAL #SS3009.
 OTHER ACCEPTABLE PRODUCT::IPS. TRAP GUARD.



Canada

Parcs Canada / Parks Canada

Gestion des biens et réalisation de projets / Asset Management and Project Delivery

Région du Québec / Quebec Region

révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

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A no. du detail detail no.
 B sur dessin no. location drawing no.
 C drawing no. dessin no.

Projet / Project

AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
 JOSEPH-GAVEY
PARKS CANADA
 FORILLON NATIONAL PARK
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 RESTORATION OF THE HOUSE
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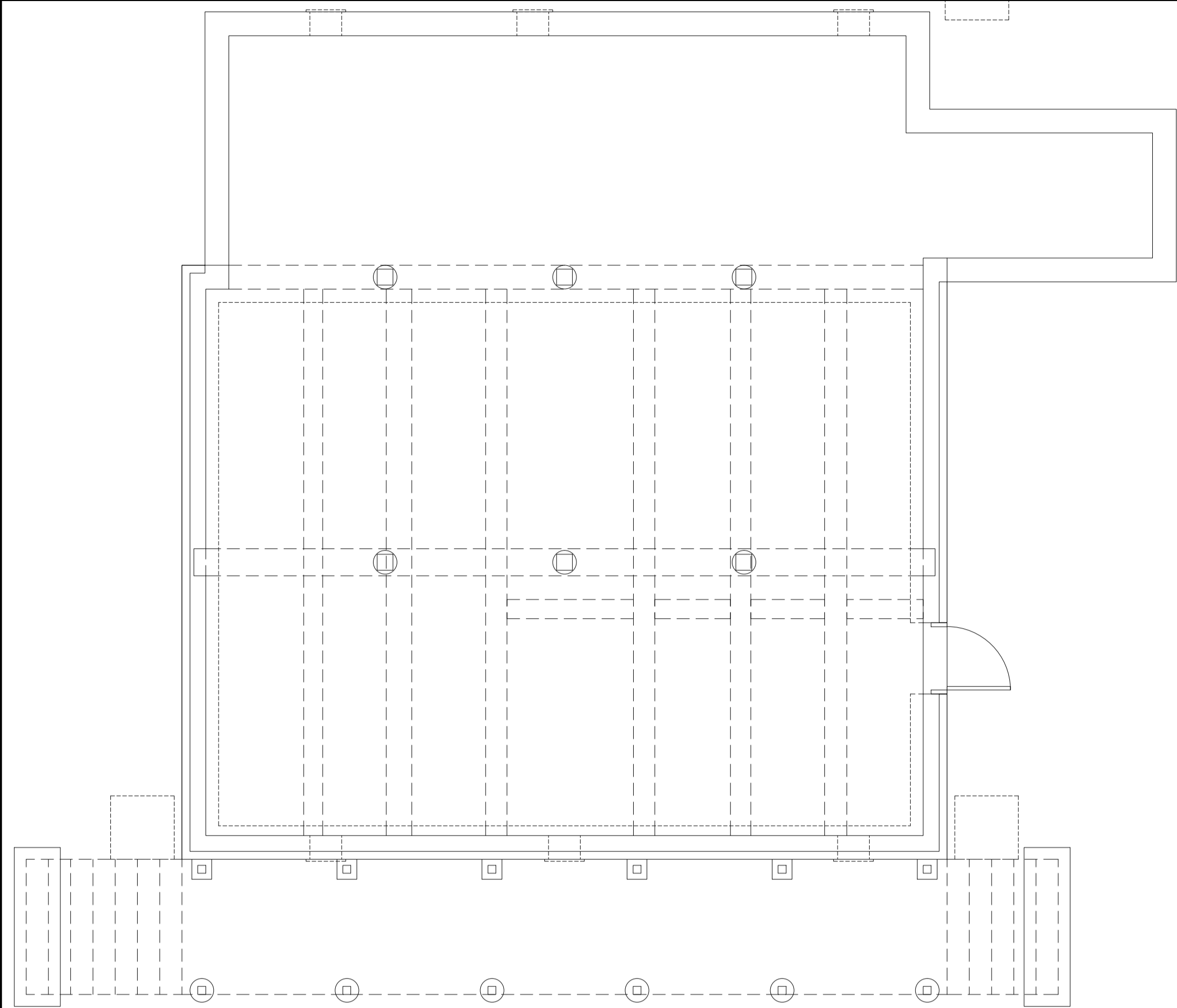
Dessin / Drawing

MECHANICAL

LOT 2
PLUMBING
DESCRIPTIONS AND DETAILS

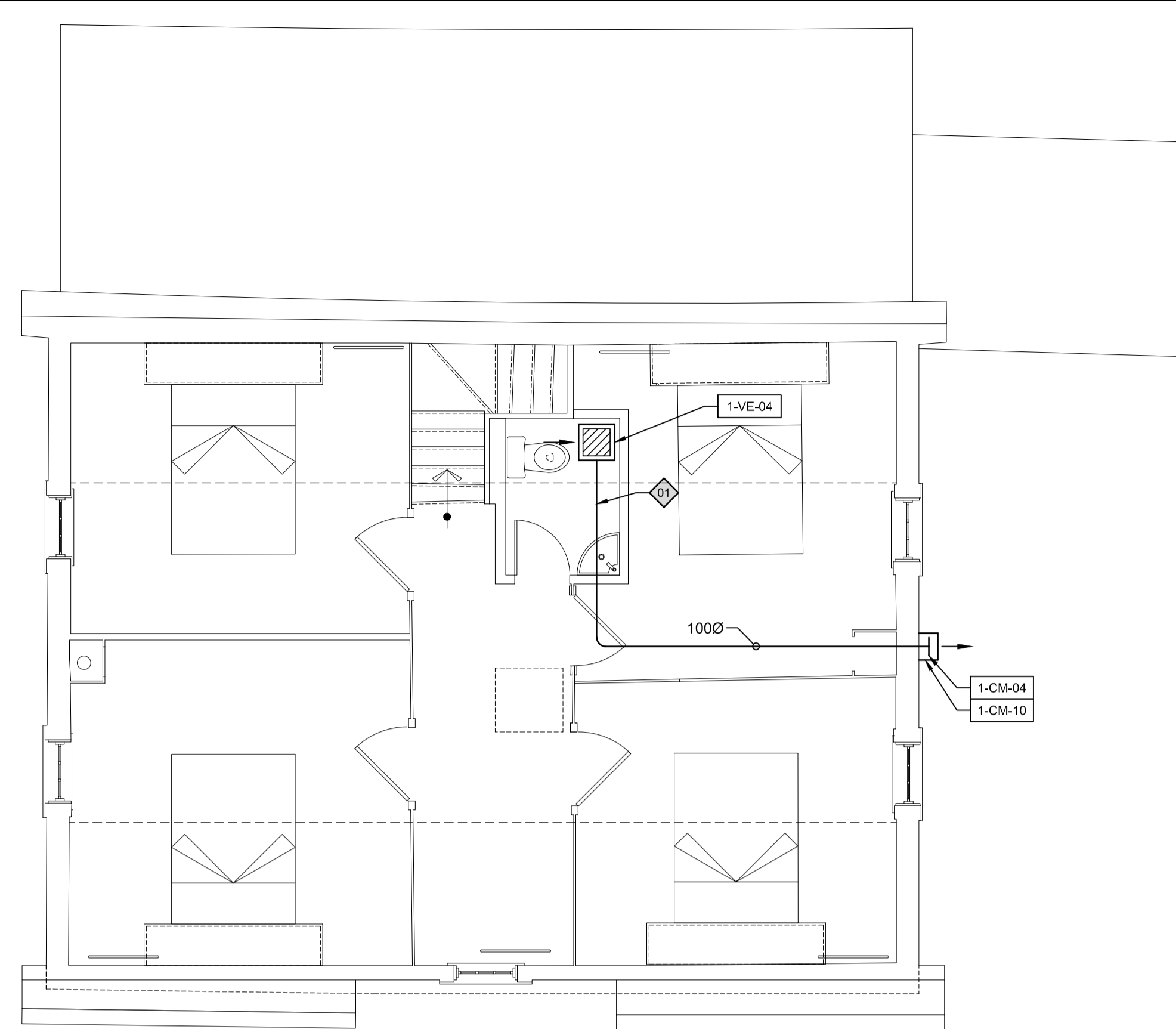
Conçu par / Designed By	MATHIEU ROUSSEL	Date / (yyyy/mm/dd)
Dessiné par / Drawn By	MATHIEU ROUSSEL	Date / (yyyy/mm/dd)
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No. du projet / Project no.	1817-2	APC / PCA
No. du dessin / Drawing no.	M04-GL-PLN-1817-2.DWG	M04



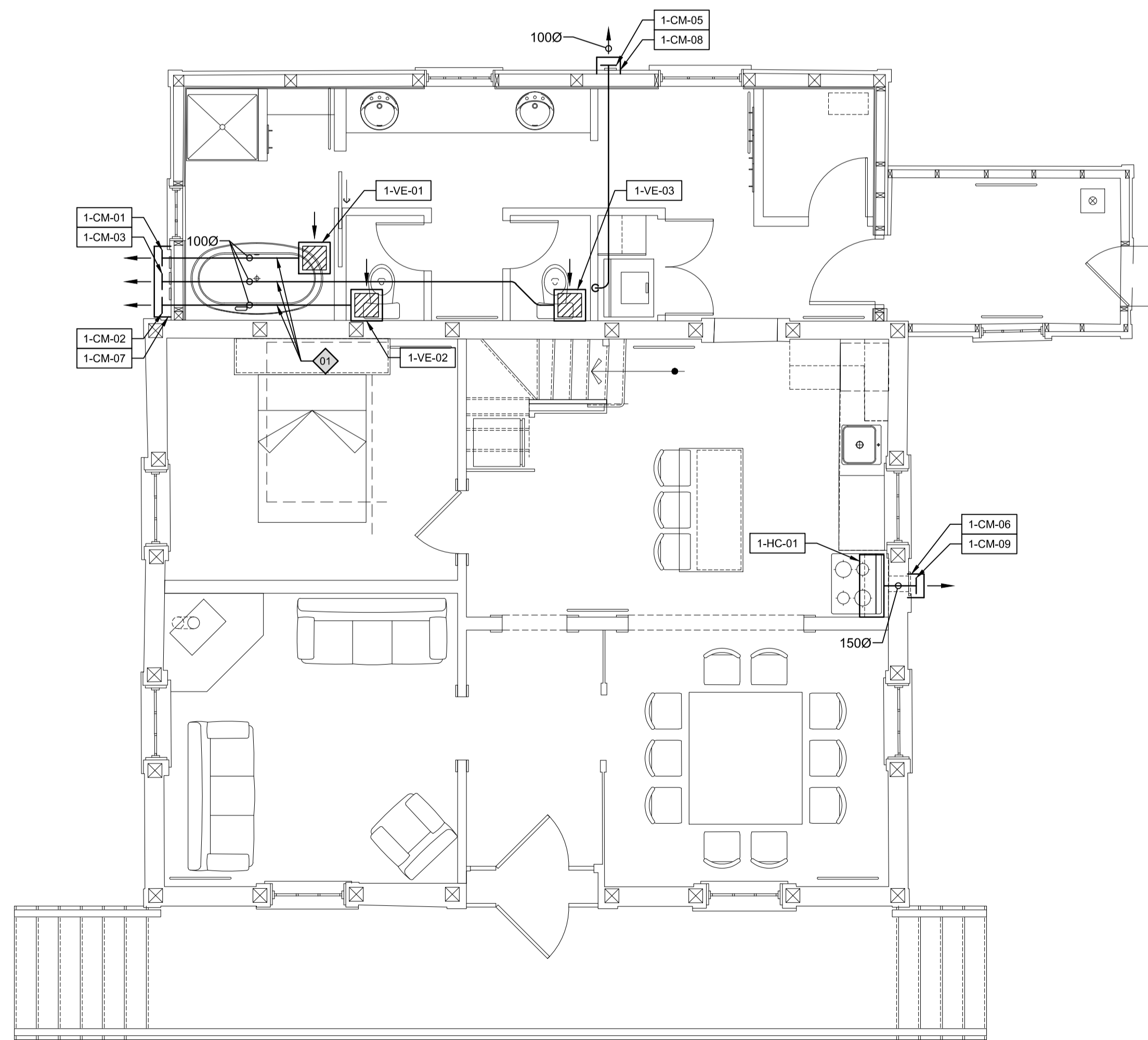
PLAN VIEW - BASEMENT

1:50



PLAN VIEW - FIRST FLOOR

1:50



PLAN VIEW - GROUND FLOOR

1:50

EQUIPMENTS DESCRIPTION (VENTILATION)

1-CM-01	WALL VENT OUTLET, GALVANIZED STEEL 26G WITH ENAMEL COLORED PAINT, BACKDRAFT DAMPER. DIAMETER CONNECTION ACCORDING TO PLANS INDICATIONS.
1-CM-02	SPECIFIED PRODUCT: LMI #R2000.
1-CM-03	OTHER ACCEPTABLE PRODUCT: MÉTALLICO.
1-CM-04	
1-CM-05	
1-CM-08	
1-CM-07	GALVANIZED STEEL 24G WITH ENAMEL COLORED PAINT (COLOR CHOICE BY ARCHITECT), REMOVABLE GRID 13x13mm. EXACT DIMENSIONS TO BE COORDINATE AT THE SITE BY COMBINING WALL OUTLETS.
1-CM-08	SPECIFIED PRODUCT: COMÉTAL #CS100.
1-CM-09	OTHER ACCEPTABLE PRODUCT: MÉTALLICO.
1-CM-10	
1-VE-01	CEILING EXHAUST FAN, 106 CFM AT 0.25" ESP (0.7 SONES), ECM MOTOR, 120V/1Ø/60hz CONNECTION (Ø.14A), BACKDRAFT DAMPER, THERMAL PROTECTION.
1-VE-02	SPECIFIED PRODUCT: PANASONIC #FV-05-11VKS1.
1-VE-03	OTHER ACCEPTABLE PRODUCT: AIR KING, BROAD.
1-VE-04	
1-HC-01	KITCHEN HOOD, 300 CFM, 120V/1Ø/60hz CONNECTION, 150mmØ DUCT CONNECTION. PROVIDE HOOD LAMPS REQUIRED.
	PRODUIT SPÉCIFIÉ: BROAD #E1224SLS.
	AUTRE PRODUIT ACCEPTABLE: AIR KING, VENMAR.

SPECIFIC NOTES - CONSTRUCTION

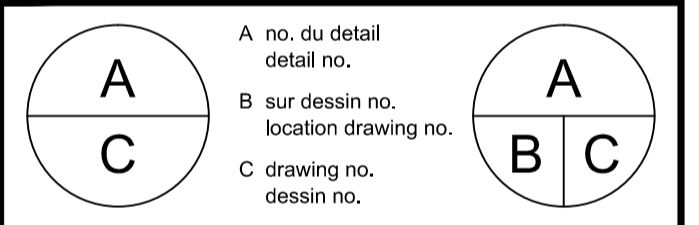
- ① INSULATED EVACUATION DUCT (SEE QUOTES) 100mmØ, LOCATED IN ATTIC.
- ② INSULATED EVACUATION DUCT (SEE QUOTES) 100mmØ, LOCATED IN A DROPPED CEILING (SEE ARCHITECTURAL PLANS).

GENERAL NOTES

THE VENTILATION CONTRACTOR SHALL REFER TO THE ARCHITECTURE PLANS FOR ALL DETAILS AT EXISTING AND DISMANTLED PARTITIONS AND CEILINGS, FOR VENTILATION DUCTS LOCATION.



révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018



Projet
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 JOSEPH-GAVEY
 PARKS CANADA
 FORILLON NATIONAL PARK
 GRANDE-GRAVE REGION
 RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin
MECHANICAL
LOT 2
VENTILATION
CONSTRUCTION
PLAN VIEWS

Conçu par / Date	MATHIEU ROUSSEL	Designed By / (yyyy/mm/dd)
Dessiné par / Date	MATHIEU ROUSSEL	Drawn By / (yyyy/mm/dd)
Examiné par / Date	MATHIEU OUELLET	Reviewed By / (yyyy/mm/dd)
Approuvé par / Date	MATHIEU OUELLET	Approved By / (yyyy/mm/dd)

No. du projet / Project no.	1817-2
APC / PCA	PCA
No. du dessin / Drawing no.	M05-GL-PLN-1817-2.DWG M05

1.0- GENERAL

- DO NOT SCALE PLANS OR DRAWINGS.
- THE ELEVATIONS INDICATED ON THE PLANS ARE GEODESIC.
- THE GENERAL CONTRACTOR MUST REPORT ANY INCONSISTENCY BETWEEN THE STRUCTURAL ENGINEERING PLANS, THE ARCHITECTURE PLANS AND THE ELECTRICITY-BUILDING SERVICES PLANS TO THE DEPARTMENTAL REPRESENTATIVE.
- THE GENERAL CONTRACTOR MUST VERIFY ALL OF THE DIMENSIONS, OBSTACLES OR CONDITIONS THAT MAY AFFECT WORK AT THE SITE AND REPORT ANY ANOMALY TO THE DEPARTMENTAL REPRESENTATIVE.
- DURING CONSTRUCTION, DO NOT EXCEED THE DESIGN SERVICE LOADS INDICATED ON THE PLANS.
- THE PRESENCE OF AN ASTERISK (*) ON PLANS INDICATED THAT THE INFORMATION IS NOT AVAILABLE OR UNCERTAIN N. SEE, IF NECESSARY PLANS ARCHITECTURE, MECHANICAL AND ELECTRICAL.

2.0- DESIGN

2.1- THE FOLLOWING CODES AND REFERENCES WERE USED FOR DESIGN PURPOSES:

- "CODE DE CONSTRUCTION DU QUÉBEC" - CHAPITRE 1 BUILDING
- NATIONAL BUILDING CODE OF CANADA - CANADA 2015.
- STRUCTURAL COMMENTARIES (PART 4)
- CONCRETE: CAN / CSA-A23.3-04 + CSA A23.1-09
- REINFORCEMENT: RSIC - MANUAL OF STANDARD PRACTICE - 2004
- STEELWORK : CAN / CSA - S16-01
- WOOD WORK: CAN/CSA-086-01
- MASONRY: CAN/CSA S304.1-04

3.0- SHOP DRAWINGS

- WHEN REQUESTED BY THE DEPARTMENTAL REPRESENTATIVE, SUBMIT THE SHOP DRAWINGS, PRODUCT DESCRIPTIONS AND PRESCRIBED SAMPLES FOR COMMENTS.
- BEGINNING WORK IS PROHIBITED IF SHOP DRAWINGS, SAMPLES AND PRODUCT DESCRIPTIONS HAVE NOT BEEN RETURNED AND COMMENTED BY ENGINEER.

4.0- FOUNDATION

4.1- EXCAVATION AND FILL WORK:

- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING PUBLIC UTILITIES.
- THE GENERAL CONTRACTOR MUST HIRE HIS OWN EXPERTS TO IDENTIFY ANY ISSUES AND DETERMINE CONSTRUCTION METHODS. HE WILL ALSO PAY FOR THE EXPENSES RELATED TO THE CONSTRUCTION AND MAINTENANCE OF EXCAVATION SLOPES, AS REQUIRED TO ENSURE THEIR STABILITY.
- THE BOTTOM OF THE EXCAVATIONS WILL BE APPROVED BY THE LABORATORY PRIOR TO CONCRETE PLACEMENT OR THE INSTALLATION OF A STRUCTURAL BACKFILL.
- THE GRANULAR BACKFILL TO BE INSTALLED WILL COMPLY WITH THE PRESCRIPTIONS OF THE LATEST EDITION OF THE « CAHIER DES CHARGES ET DEVIS GÉNÉRAUX » OF "TRANSPORTS, MOBILITÉ DURABLE ET ÉLECTRIFICATION DES TRANSPORTS" (THE QUEBEC GOVERNMENT AUTHORITY IN TRANSPORTATION).
- UP UNTIL THE END OF THE WORK, THE GENERAL CONTRACTOR WILL PROVIDE AND IMPLEMENT ALL OF THE PROTECTION MEASURES REQUIRED TO AVOID THE FREEZING OF THE SOIL, THE EMBANKMENT UNDER THE FOUNDATIONS, AND THE SLABS-ON-GRADE TO BE BUILT AND/OR FUTURE.
- PROVIDE, INSTALL AND CARRY OUT TEMPORARY DRAINAGE, AND ENSURE PUMPING IN ORDER TO KEEP THE BOTTOM OF THE EXCAVATIONS DRY.
- THE EXCAVATION WORK WILL BE EXECUTED IN ACCORDANCE WITH THE PRESCRIPTIONS OF THE CROSS-SECTION. IF INFORMATION IS NOT AVAILABLE ON THE PLANS, REFER TO THE SPECIFICATIONS.

FOUNDATION SAND (CG-14)

SIEVES	% PASSING
20 MM	100
5 MM	35 - 100
80 µM	0 - 10

5.0- CONCRETE, FORMWORK AND REINFORCEMENTS

5.1- CONCRETE :

- BUILDING FOUNDATIONS (WALLS) EXCEPT OTHERWISE NOTED: E-0

CONC RETE TYPE	USUAL APPLICATION AND EXPOSITION	MIN. RESISTANCE AT 28 DAYS (MPa)	PERMÉABILITÉ AUX IONS CHLORURE	AIR	WATER / BINDING MAXIMAL
E-0	GENERAL USE EXPOSED	35 (30 MAX AT 7 DAYS)	---	5 TO 8 %	0,45
M-1	LEAN CONCRETE UNEXPOSED	10	---	4 TO 7 %	

5.2- REINFORCEMENTS:

- IN ACCORDANCE WITH CAN / CSA - G30.18 - M92.
- UNWELDABLE STEEL (400R): Fy = 400 MPa.
- WELDABLE STEEL (400W): Fy = 400 MPa.
- UNLESS OTHERWISE INDICATED, THE LENGTH OF THE REBARS DOES NOT INCLUDE THE HOOK.
- UNLESS OTHERWISE INDICATED, ALL OF THE OVERLAPS ARE CLASS "B" SUPERIOR.

5.3- CASTING:

- CALCULATION AND CONSTRUCTION OF CASTING AND THEIR SUPPORTS ARE THE RESPONSIBILITY OF THE ENGINEER WITC AS BEEN HIRED BY THE CONTRACTOR.

5.4- APPARENT CONCRETE SURFACES:

- REFER TO PLAN AND ARCHITECTURE SPECIFICATIONS FOR THE LOCATION AND TYPE OF SAND BLAST, CHAMFER AND CONCRETE RESERVATION.
- UNLESS INDICATED OTHERWISE ON PLANS (PLASTIC PLUGS), WHEN THE WALL FACE IS APPARENT, FORMWORK CONE MUST BE ALIGNED VERTICALLY AND HORIZONTALLY AND FILLED WITH "SIKATOP 122 PLUS" OF SIKA, "PATCHMATE-PLUS" OF STERNSON OR APPROVED EQUIVALENT BY THE ENGINEER.

5.6- REINFORCEMENT CONCRETE COVER (TYPICAL UNLESS OTHERWISE NOTED ON PLANS). SEE SPECIFICATIONS

5.7- CHAMFER

- 25 MM CHAMFERS ARE TO BE BUILT ON APPARENT SHARP EDGES.

5.8- PROCEDURES TO LOCATE EXISTING CONCRETE ELEMENTS PRIOR TO INSTALLING NEW ANCHORS.

- THESE NOTES APPLY TO EVERY ANCHOR TYPE INCLUDED IN THE PLANS AND SPECIFICATIONS (REINFORCING STEEL ANCHORING DEVICES, THREADED RODS, MECHANICAL AND CHEMICAL ANCHORS, ETC).
- USING A TOOL THAT WILL NOT DAMAGE THE REINFORCING BARS, DRILL HOLES 6 MM φ WHERE INDICATED ON THE PLAN.
- FILL HOLES WHERE REINFORCING BARS USED TO BE WITH NON-SHRINK GROUT.
- DRILL A NEW HOLE NEAR A HOLE WHERE A REINFORCING BAR USED TO BE.
- REPEAT STEPS ABOVE UNTIL ALL OF THE HOLES CAN BE USED.
- PREPARE THE PLATES SO THAT THE HOLES WILL MATCH THE FINAL LOCATION OF THE ANCHORS.
- INSTALL THE ANCHORS IN ACCORDANCE WITH THE PLAN'S TYPICAL DETAILS AND/OR ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

6.0- STRUCTURAL STEEL

6.1- STANDARDS:

- LAMINATED PROFILES (Fy = 350MPa): CAN / CSA - G40.21 - 04
- HSS (Fy = 345 MPa): ASTM - A-500
- PLATES (Fy = 300 MPa): CAN / CSA - G40.21 - 04
- ANCHOR BOLTS (Fu = 414 MPa) U.O.I.: ASTM A-307
- WELDS (E49XX): CAN / CSA W59 - 03
- HOT GALVANIZING (600 g/m²): CAN / CSA - G164 - 03
- PRIMER: GREY: CISC / CPMA 1-73a-1975

- THE GENERAL CONTRACTOR WILL SUBMIT THE STRUCTURAL STEEL SHOP DRAWINGS SIGNED AND SEALED BY AN ENGINEER CERTIFIED BY THE "ORDRE DES INGÉNIEURS DU QUÉBEC" FOR COMMENTS.

6.2- ELEMENTS EXPOSED TO WEATHER:

- UNLESS OTHERWISE INDICATED, ALL STEEL ELEMENTS (LINTELS, PLATES, BEAMS, COLUMNS, BOLTS, ETC.) EXPOSED TO THE WEATHER WILL BE HOT GALVALNIZED.

7.0- OPENINGS, SLEEVES, ETC.

- ALL OF THE OPENINGS IN FLOOR SLABS, ROOFS AND WALLS ARE NOT NECESSARILY SHOWN ON THE STRUCTURAL PLANS. TYPICAL DETAILS OF REINFORCEMENTS AROUND THE OPENINGS SHOWN ON THE PLANS ALSO APPLY TO ALL OF THE OPENINGS SHOWN ON MECHANICAL ENGINEERING, ELECTRICITY AND ARCHITECTURE PLANS.
- THE GENERAL CONTRACTOR WILL SUBMIT FOR APPROVAL ANY OPENING NOT SHOWN ON THE STRUCTURAL ENGINEERING PLANS.
- THE GENERAL CONTRACTOR WILL INSTALL ALL OF THE PIECES OF EQUIPMENT TO BE INCORPORATED IN CONCRETE SPECIFIED ON THE PLANS OF THE OTHER SPECIALTIES (DRAINS, PIPES, DITCHES, SLEEVES, ACCESS HATCHES OR DOORS, ETC.) AND REQUIRED FOR THE ENTIRE BODY OF WORK.

8.0- DEMOLITION WORK

- DOCUMENT THE CONDITION OF THE SITE PRIOR TO BEGINNING WORK.
- PROVIDE AND INSTALL WASTE CHUTES, SCREENS, FENCES AND SAFETY SCAFFOLDS AT THE CONSTRUCTION SITE IN ORDER TO PROTECT THE WORKERS.
- PROVIDE AND INSTALL ALL OF THE TEMPORARY PROTECTION DEVICES REQUIRED IN ORDER TO PROTECT EQUIPMENT, BUILDINGS AND/OR SERVICES FROM DAMAGES.
- THE GENERAL CONTRACTOR WILL TAKE RESPONSIBILITY FOR THE DAMAGES THAT MAY BE CAUSED BY DEMOLITION WORK DUE TO WEATHER, NEGLIGENCE, LACK OF COORDINATION OR PRECAUTIONS, BOTH INSIDE AND OUTSIDE OF THE BUILDING.
- EXECUTE THE STRUCTURAL DEMOLITION WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE CSA-S350 STANDARD.
- UNLESS OTHERWISE INDICATED, ALL DEMOLITION MATERIALS WILL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- THE DEMOLITION OR DISMANTLING OF STRUCTURAL ELEMENTS WILL NOT TAKE PLACE PRIOR TO THE SUBMITTAL FOR COMMENTS OF THE METHODS AND PROCEDURES TO THE DEPARTMENTAL REPRESENTATIVE.

9.0- WOOD:

- UNLESS INDICATED OTHERWISE EVERY VISIBLE WOODEN PIECE SHALL BE COMPOSED OF ROUGH LUMBER, UN-PLANNED AND SPRUCE ESSENCE.
- ALL EXTERIOR WOOD MUST BE PRESSURE TREATED TYPE.

9.1- ASSEMBLY:

- THE CONTRACTOR IS RESPONSIBLE OF THE DIMENSIONNING AND FURNITURE OF EVERY WOOD PIECES ASSEMBLY, EVEN THOSE NOT SHOWN ON DRAWINGS.
- EVERY NEW APPARENT ASSEMBLY SHALL BE IDENTICAL TO EXISTING UNLESS NOTED OTHERWISE.
- EVERY ASSEMBLY EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED.

9.2- APPARENT WOOD:

- WHEN WOOD PIECES ARE APPARENT, EVERY FACE SHALL BE FREE OF GLUE, PAINT OR ANY OTHER PRODUCT THAT MAY STAIN WOOD SURFACES.

9.3- WOODEN WALLS:

- TYPE OF WOOD TO BE USED : ROUGH SPRUCE NO.1-2
- HORIZONTAL WOOD BLOCKING : 2 X 6 AT 1220 C/C TYPICAL.
- WALL ATTACHEMENT: SEE TYPICAL DETAILS.
- WOOD ESSENCE: 2x4, SPF NO. 1-2

9.4- WOODEN TYPES:

- ALL ENGINEERED WOOD SPECIFIED IN DRAWING MUST MEET THE FOLLOWING CHARACTERISTICS E-1 9x10³ psi, Fy=4800 psi.
- ALL MASSIVE WOOD SPECIFIED ON DRAWINGS MUST BE SPF NO.1-2

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 Gestion des biens et réalisation de projets / Asset Management and Project Delivery
 Région du Québec / Quebec Region

révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

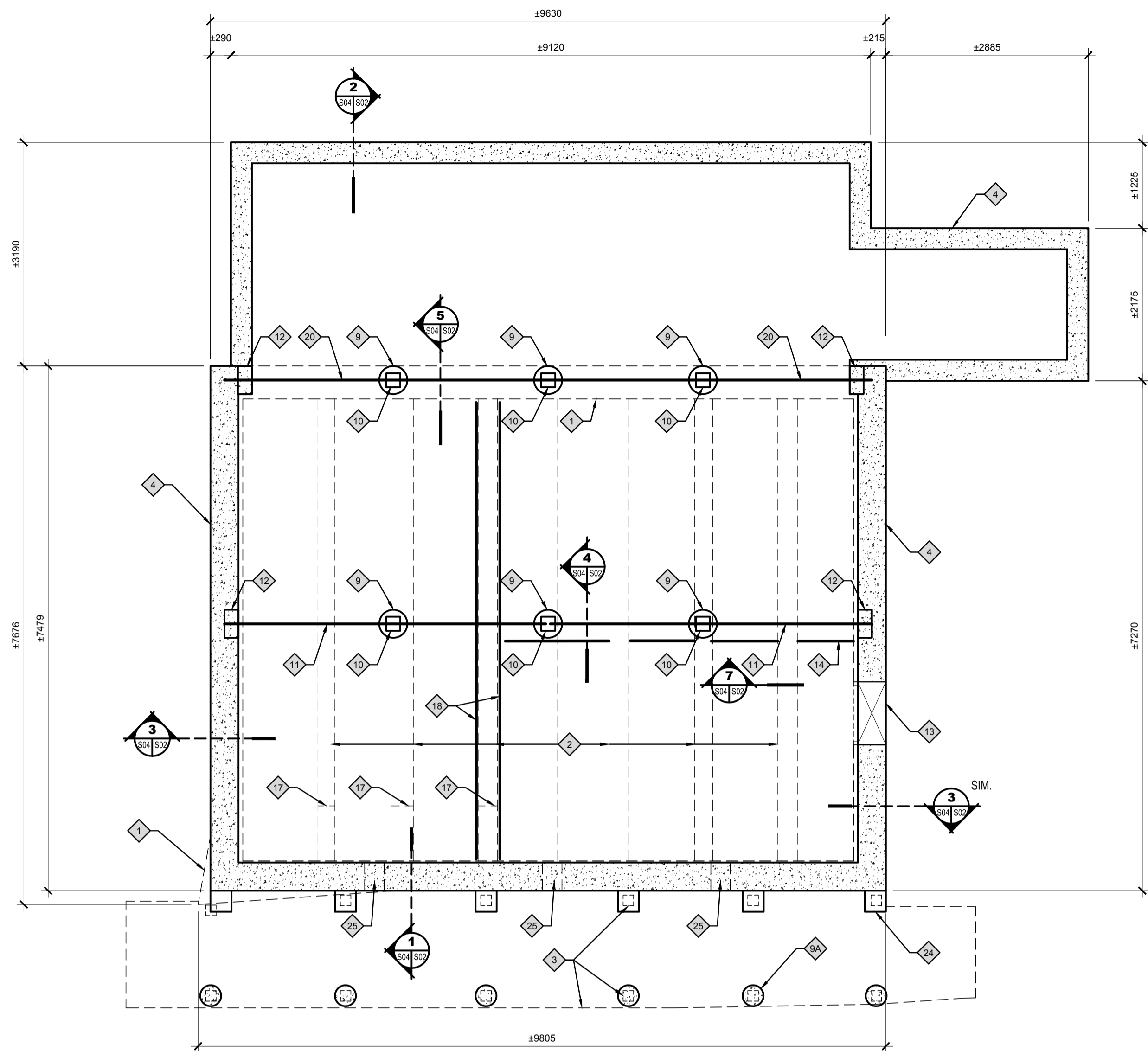
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 B sur dessin no. / location drawing no.
 C drawing no. / dessin no.

Projet / Project
AGENCE PARCS CANADA
 PARC NATIONAL FORILLON
 SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
 JOSEPH-GAVEY
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 GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
 JOSEPH-GAVEY

Dessin / Drawing
STRUCTURE
NOTES AUX PLANS
DRAWING NOTES

Conçu par / Designed By	F. LABRIE
Date / (yyyy/mm/dd)	
Dessiné par / Drawn By	V. BOURQUE
Date / (yyyy/mm/dd)	
Examiné par / Reviewed By	M. BOUCHARD
Date / (yyyy/mm/dd)	
Approuvé par / Approved By	M. BOUCHARD
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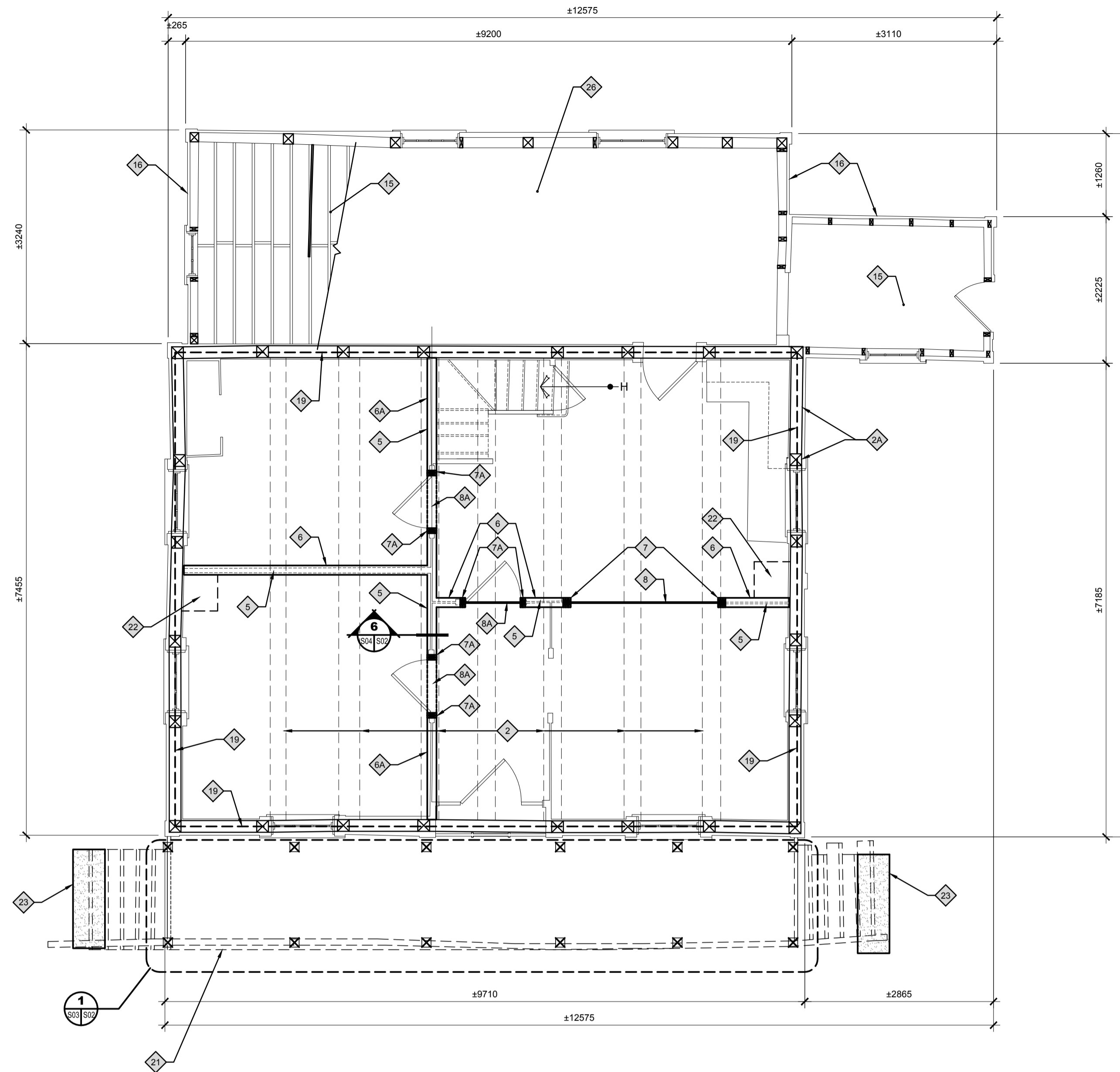
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APC / PCA	
No. du dessin / Drawing no.	S01-GL-NOT-1817-2.DWG S01



NOTES:
ALL DIMENSIONS SHOWN ARE FOR BIDDING INFORMATION ONLY. ALL DIMENSIONS MUST BE VALIDATED PER FIELD CONDITIONS.

FOUNDATION PLAN

1 : 50



MAIN FLOOR PLAN

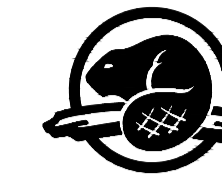
1 : 50

CONSTRUCTION NOTES:

- 1 EXISTING FIELD STONE FOUNDATION TO BE DEMOLISHED. PERFORM DEMOLITION AFTER HOUSE IS RAISED AND BRACED. RAISING AND BRACING WORKS ARE UNDER THE GENERAL CONTRACTOR'S RESPONSIBILITY. SIGNED AND SEALED DRAWINGS MUST BE SUBMITTED FOR APPROVAL.
- 2 EXISTING WOOD BEAMS (LOGS) TO REMAIN. SIZE VARIES FROM Ø250 @ Ø300
- 2A EXISTING COLUMNS AND EDGE BEAMS TO REMAIN. TYPICAL AT BUILDING PERIMETER. TO BE BRACED IF REQUIRED WHILE REPLACING SILL.
- 3 EXISTING WOOD PORCH TO BE DEMOLISHED
- 4 NEW CONCRETE FOUNDATION, SEE SECTIONS AND DETAILS. FOUNDATION EXTERIOR DIMENSIONS MUST BE ADJUSTED PER EXISTING EDGE BEAM POSITION.
- 5 EXISTING PARTITION TO BE DEMOLISHED AND REPLACED WITH LOAD BEARING WALL.
- 6 LOAD BEARING WALL, 38X89 @ 406c/c WITH WOOD BLOCKING, 12mm PLYWOOD ON BOTH SIDES. DOUBLE STUDS UNDER UPPER FLOOR BEAMS. SEE TYPICAL ELEVATION FOR INSTALLATION.
- 6A LOAD BEARING WALL, 38X89 (WEAK EDGE) @ 400 c/c + 12mm PLYWOOD ON EACH SIDE. SEE TYPICAL DETAIL
- 7 NEW COMPOSITE COLUMN, 3-38X89. (2 UNDER EXTREMITIES + 1 FOR FRAME) SEE TYPICAL DETAIL FOR NAILING AND TYPICAL ELEVATION FOR INSTALLATION.
- 7A NEW COMPOSITE COLUMN, 2-38X89. (1 UNDER EXTREMITY + 1 FOR FRAME) SEE TYPICAL DETAIL FOR NAILING AND TYPICAL ELEVATION FOR INSTALLATION.
- 8 NEW COMPOSITE LINTEL, LVL 2-45x184 + 12mm PLYWOOD BETWEEN EACH PIECE OF WOOD, SEE TYPICAL DETAIL FOR NAILING AND TYPICAL ELEVATION FOR INSTALLATION.
- 8A NEW COMPOSITE LINTEL, SPF 2-38X184 + 12mm PLYWOOD BETWEEN EACH PIECE OF WOOD, SEE TYPICAL DETAIL FOR NAILING AND TYPICAL ELEVATION FOR INSTALLATION.
- 9 CONCRETE SONOTUBE, Ø400mm. REINFORCEMENT, 4-15M + STIRRUPS 10M @ 300 c/c. FORESEE AN EMBEDMENT OF 1800mm IN GROUND.
- 9A CONCRETE SONOTUBE FOR PORCH, Ø400mm. REINFORCEMENT, 4-15M + STIRRUPS 10M @ 300 c/c. FORESEE AN EMBEDMENT OF 1800mm IN GROUND. (6 REQUIRED)

- 10 SPRUCE-FIR COLUMN 200X200.
- 11 WOOD BEAM 343X343 SPRUCE-FIR UNDER EXISTING WOOD LOG. ALLOW HARDWOOD SHIMS BETWEEN NEW BEAMS AND EXISTING BEAMS.
- 12 150mm NICHE IN FOUNDATION WALL FOR NEW BEAM INSTALLATION.
- 13 CRAWL SPACE ACCESS DOOR, SEE ARCHITECTURAL DRAWINGS. ALLOW 2 ADDITIONAL 15M ABOVE DOOR OPENING.
- 14 TRANSFER BEAM 140x191 SPRUCE-FIR TYPE #1 UNDER LOAD BEARING WALLS BETWEEN EACH EXISTING LOGS. SEE CONNECTION TYPICAL DETAIL.
- 15 JOIST 38x184 @ 288mm c/c + WOOD BLOCKING AT MID-SPAN
- 16 EXISTING ANNEX AND DRUM TO BE DISMANTLED AND REBUILT AFTER WORKS. TO BE PRESERVED DURING WORKS. FORESEE TEMPORARY BRACING.
- 17 EXISTING LOG SPLICES TO BE REINFORCED. SEE DETAIL ON SHEET S05.
- 18 EXISTING WOOD BEAMS UNDER LOAD BEARING WALLS TO BE REINFORCED WITH LVL 44mm x 285mm ON EACH SIDE.
- 19 NEW WOOD SILL 300x300 TO PUT IN PLACE. FORESEE TEMPORARY BRACING UNDER COLUMNS. (TYPICAL AT PERIMETER).
- 20 SPRUCE-FIR WOOD BEAMS 292X343.
- 21 NEW PORCH, SEE PLAN ON 1/S03
- 22 EXISTING CHIMNEY AT UPPER LEVEL ON EXISTING WOOD SUPPORT. DEMOLISH EXISTING SUPPORT AND RECONSTRUCT WITH 38x140. FORESEE TEMPORARY BRACING FOR CHIMNEY.
- 23 CONCRETE BASE AT PORCH, SEE SHEET S-03.
- 24 CONCRETE CORBEL FOR PORCH, SEE DETAIL ON SHEET S03.

- 25 ALLOW FOR 3 OPENINGS FOR VENTS. SEE ARCHITECTURAL FOR LOCATION AND SIZE.
- 26 38x140 PLANKING: NO SPACE BETWEEN PLANKS. ATTACH PLANKS WITH SCREWS ON UNDERSIDE ONLY.



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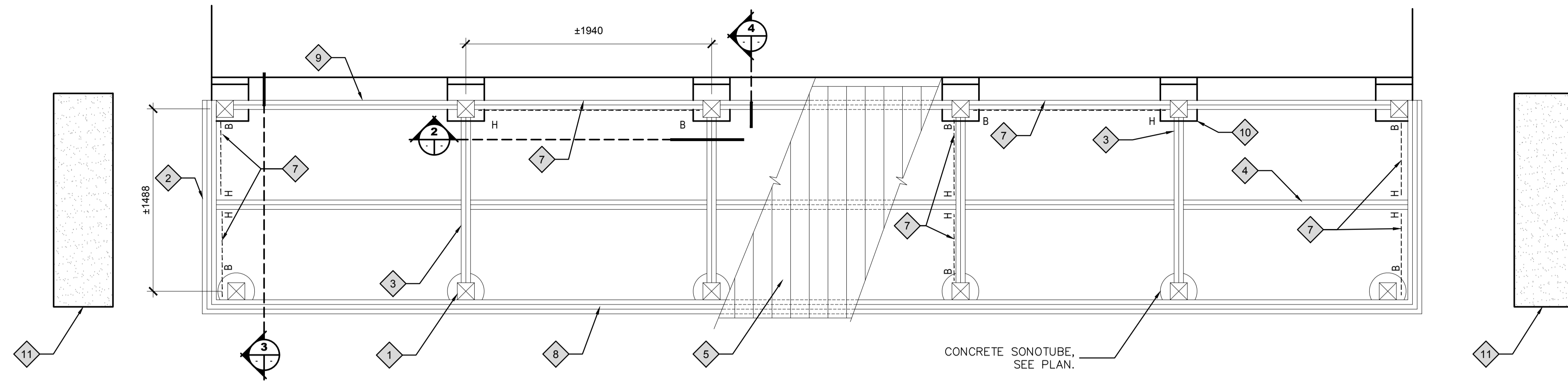
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PARC NATIONAL FORILLON
SECTEUR GRANDE-GRAVE
RÉFECTION DE LA MAISON
JOSEPH-GAVEY
PARKS CANADA
FORILLON NATIONAL PARK
GRANDE-GRAVE REGION
RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin Drawing
STRUCTURE
PLANS DES INTERVENTIONS
INTERVENTION PLANS

Conçu par	F. LABRIE	Designed By	
Date		(yyyy/mm/dd)	
Dessiné par	V. BOURQUE	Drawn By	
Date		(yyyy/mm/dd)	
Examiné par	M. BOUCHARD	Reviewed By	
Date		(yyyy/mm/dd)	
Approuvé par	M. BOUCHARD	Approved By	
Date		(yyyy/mm/dd)	

No. du projet Project no.
1817-2

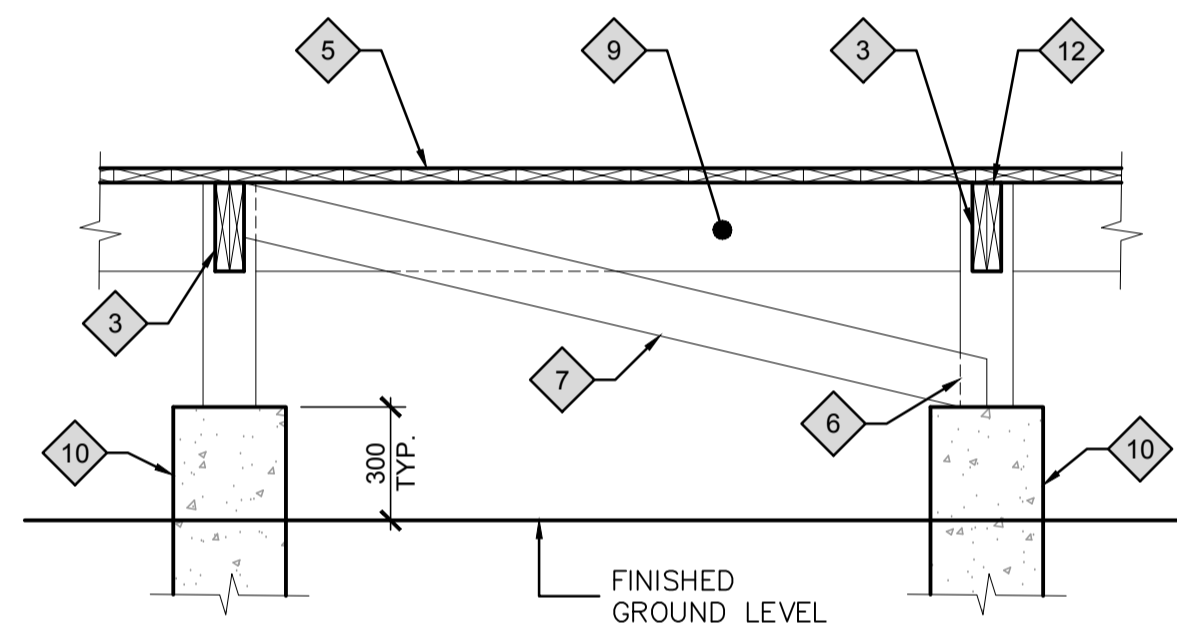
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S02-GL-PLN-1817-2.DWG S02



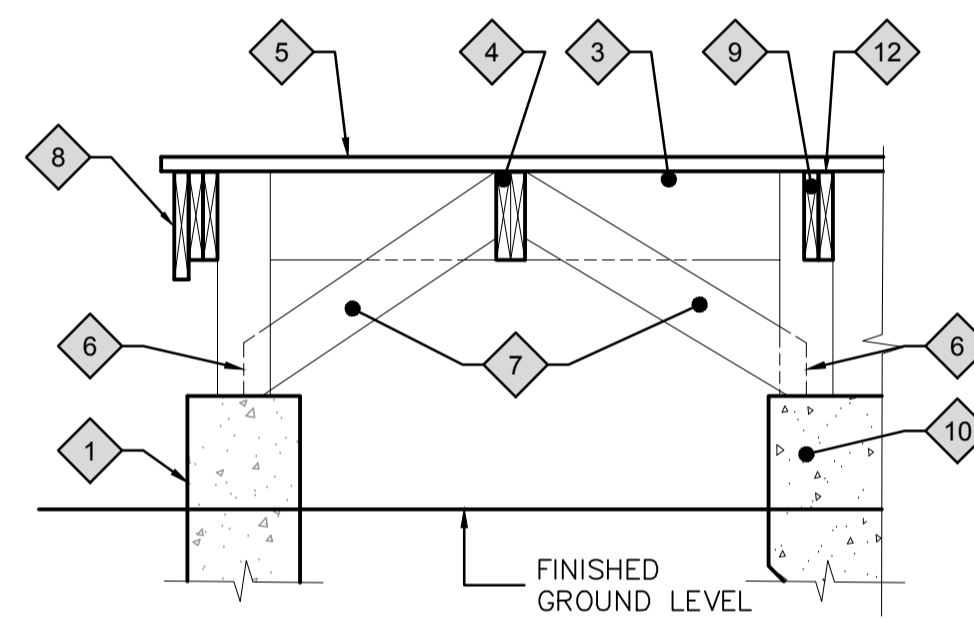
NOTES:

1. POSITIONS, DIMENSIONS, RAILINGS AND STAIRS TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
2. ALL WOODEN CONNECTIONS MUST BE DONE WITH EXTERIOR SCREWS.
3. ALLOW FOR PRE-FABRICATED GALVANIZED STEEL HANGERS (PLATE IN "T") AND CONCRETE ANCHORS FOR ALL POST/SONOTUBE CONNECTIONS, POST/CORBELS AND POST/CONCRETE BASES.

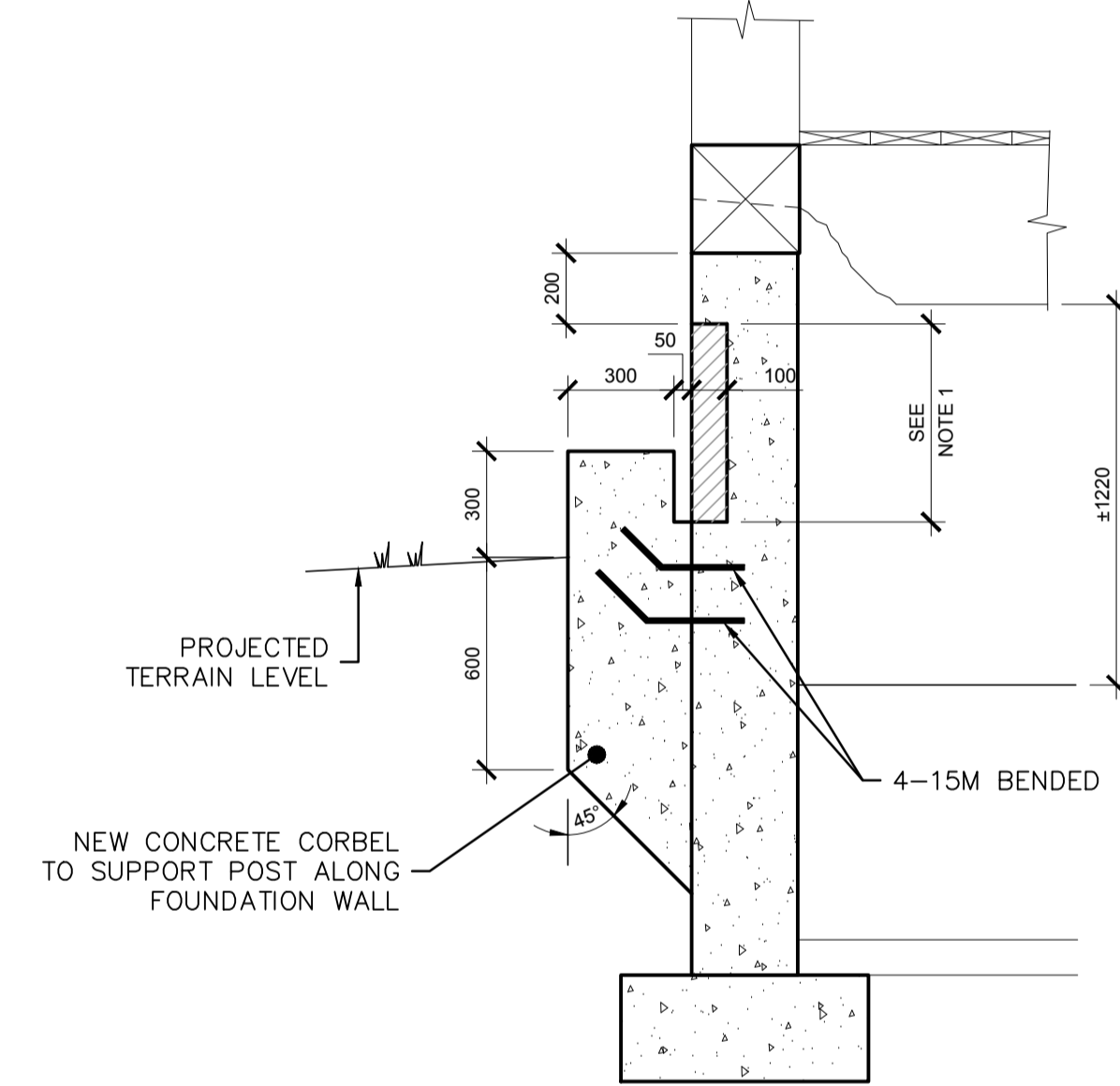
1 NEW PORCH CONSTRUCTION PLAN VIEW
S02/S03 1:25



2 SECTION
1:20



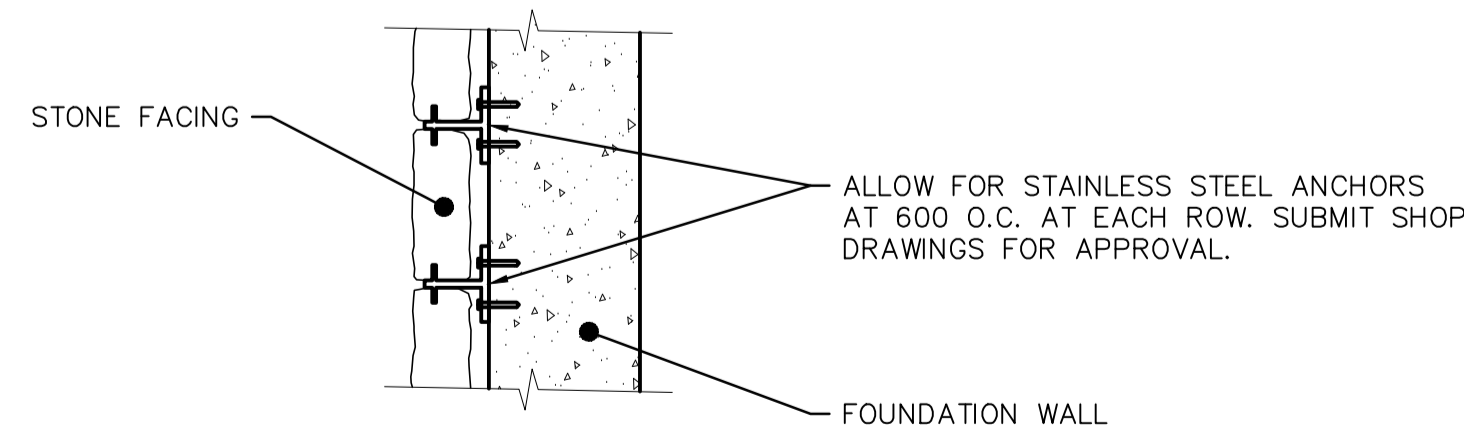
3 SECTION
1:20



4 SECTION
S02/S03 1:20

CONSTRUCTION NOTES

- 1. POSTS 140x140 ON CONCRETE SONOTUBE. (6 REQUIRED)
- 2. 1 JOIST 38x286 + 2 JOIST 38x235, STAGGERED NAILING 150mm c/c ON EACH SIDE WITH COMMON 89mm GALVANIZED NAILS.
- 3. 2 JOIST 38x286, STAGGERED NAILING 150mm c/c WITH COMMON 2 1/2" GALVANIZED NAILS.
- 4. 2 JOIST 38x184, STAGGERED NAILING 150mm c/c WITH COMMON 2 1/2" GALVANIZED NAILS.
- 5. 38x140 PLANKING, ALLOW FOR 3mm GAP BETWEEN PLANKS. ATTACH PLANKS ON UNDERSIDE ONLY WITH SCREWS.
- 6. NOTCH BACK OF POST
- 7. 38x140 BRACING
- 8. 38x286 JOIST + 2 JOISTS 38x235, STAGGERED NAILING 150mm c/c ON EACH SIDE WITH COMMON 89mm GALVANIZED NAILS.
- 9. 2 JOISTS 38x235, STAGGERED NAILING 150mm c/c WITH COMMON 2 1/2" GALVANIZED NAILS.
- 10. 140x140 POST ON CONCRETE CORBEL (6 REQUIS), SEE DETAIL.
- 11. CONCRETE BASE FOR STAIRS 1800x400x400. ALLOW 50mm BETWEEN TOP OF CONCRETE AND FINISHED TERRAIN LEVEL. REINFORCEMENT 15M@200 c/c IN BOTH DIRECTIONS AT CENTER.
- 12. SELF-ADHESIVE MEMBRANE AT EVERY WOOD TO WOOD CONTACT.



STONE FACING ANCHORING DETAIL
1:10



révisions / revisions	description	date
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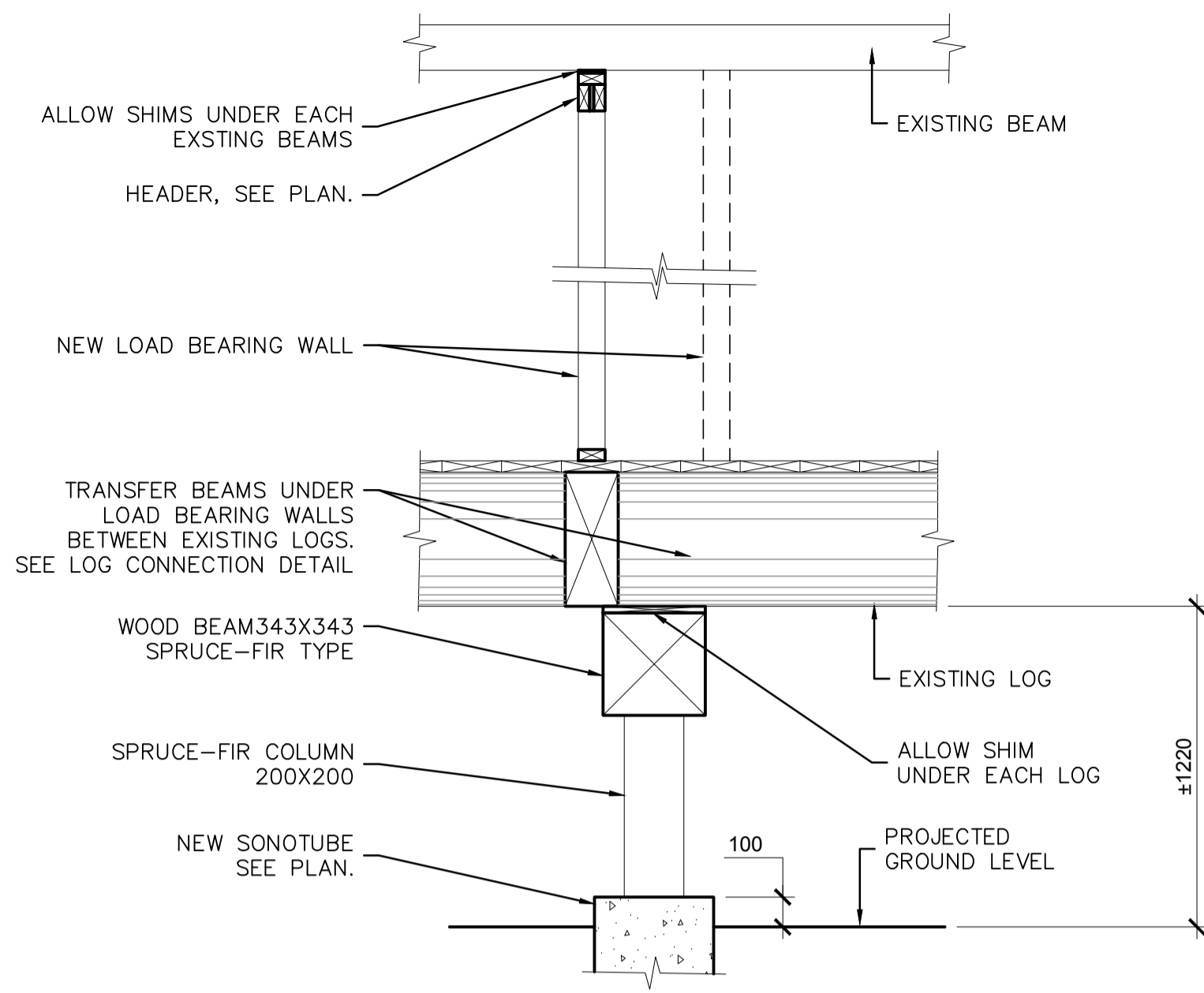
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Projet
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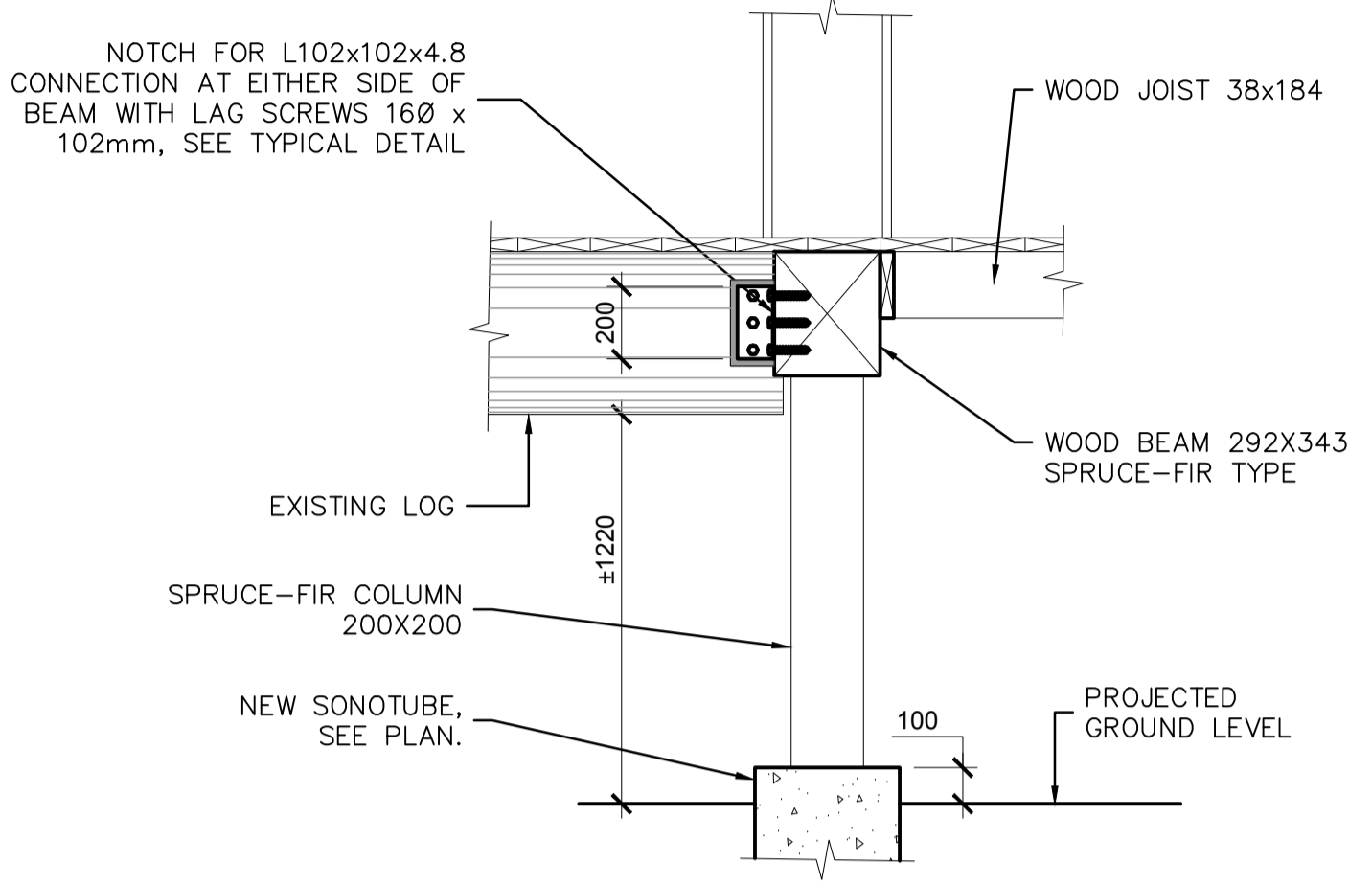
Dessin
STRUCTURE
COUPES GÉNÉRALES
GENERAL SECTIONS

Conçu par	F. LABRIE	Designed By	
Date		(yyyy/mm/dd)	
Dessiné par	V. BOURQUE	Drawn By	
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Examiné par	M. BOUCHARD	Reviewed By	
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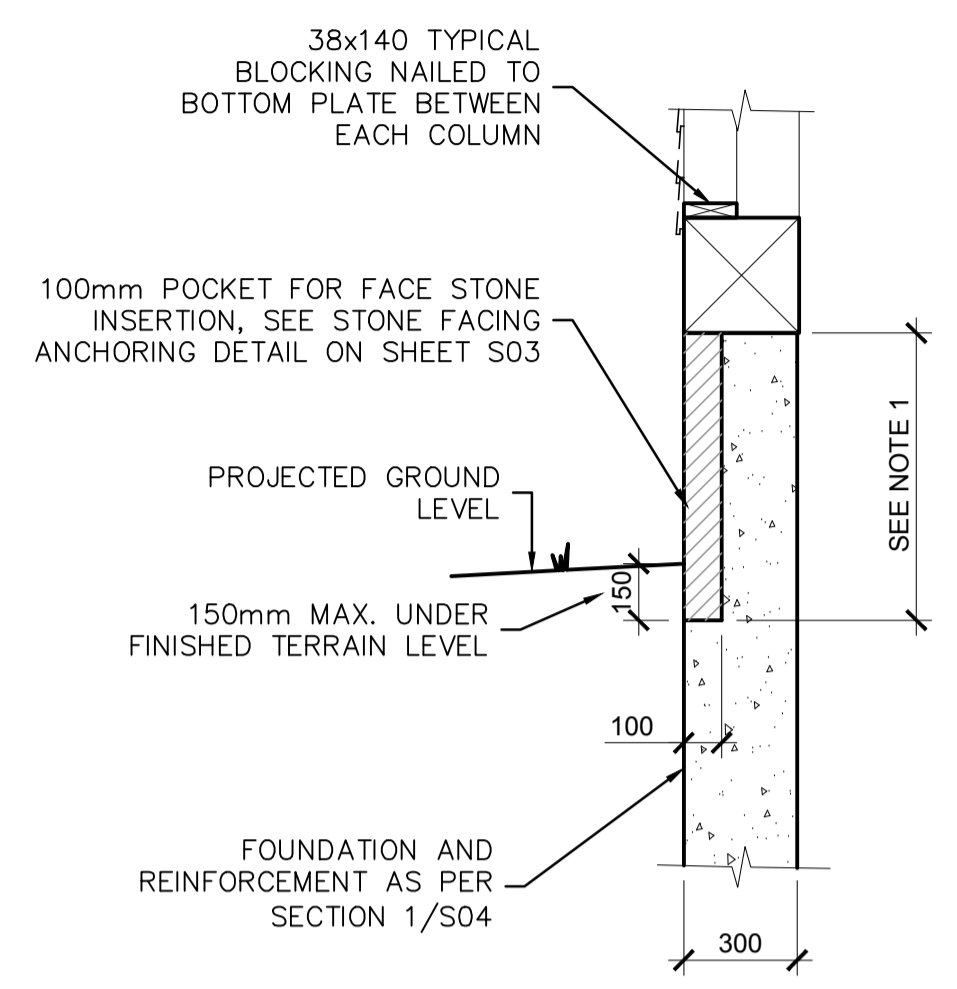
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APC		PCA	
No. du dessin	S03-EL-COU-1817-2.DWG	Drawing no.	S03



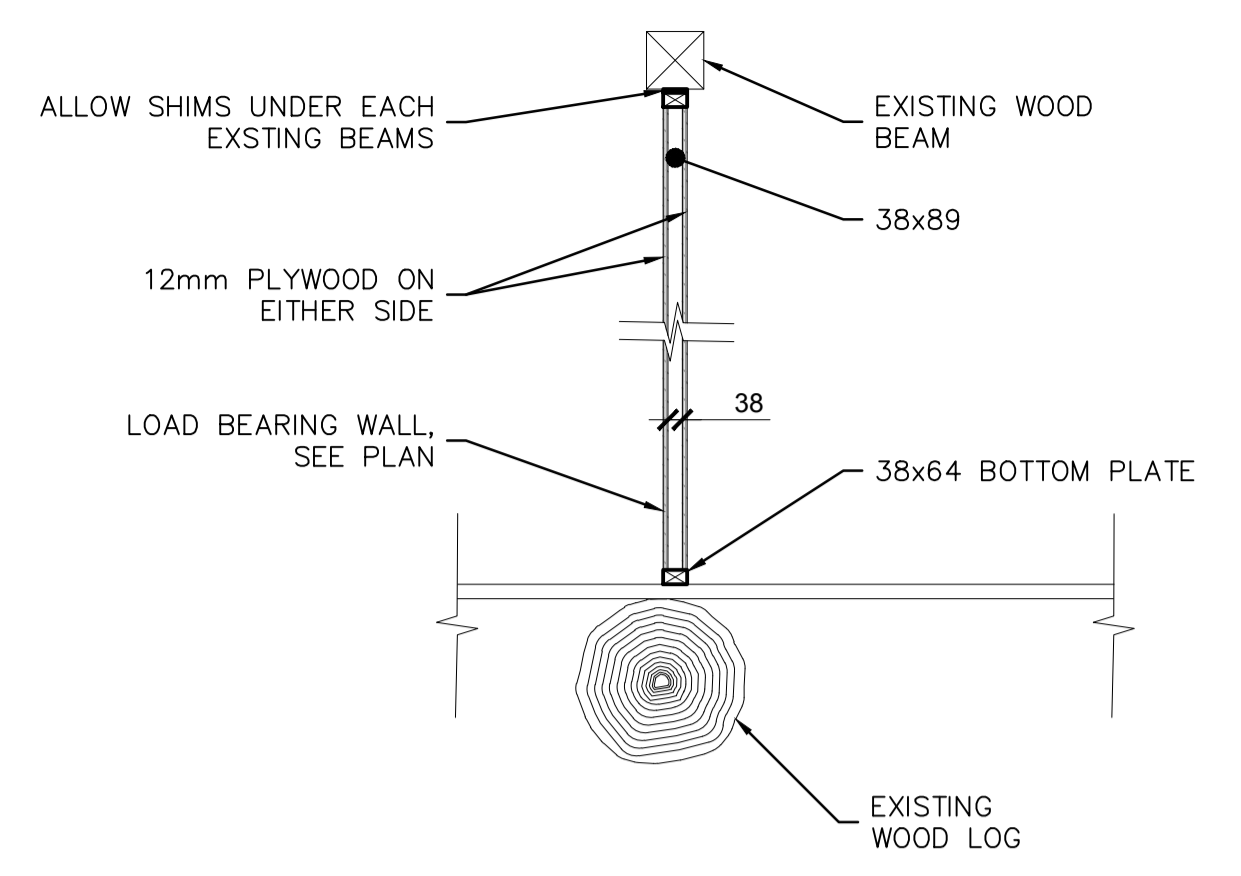
4 SECTION
S02/S04 1:20



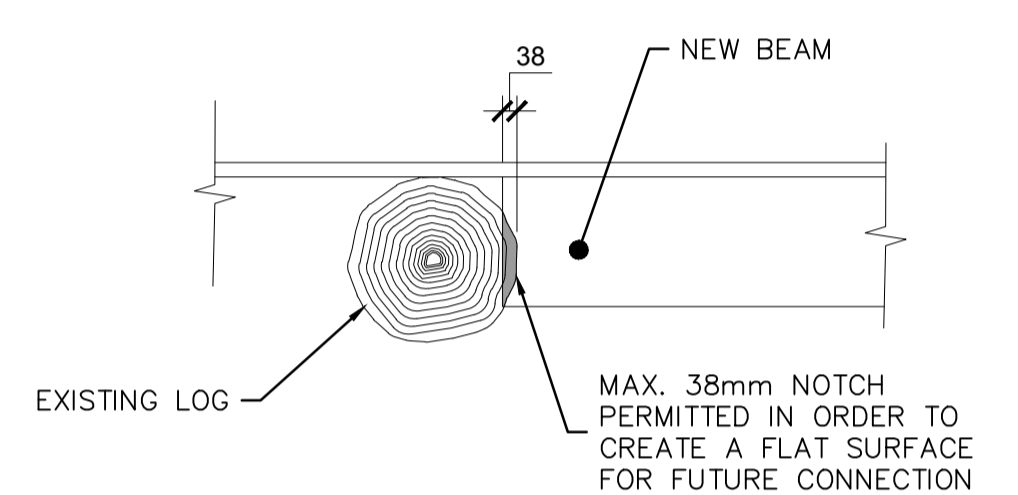
5 SECTION
S02/S04 1:20



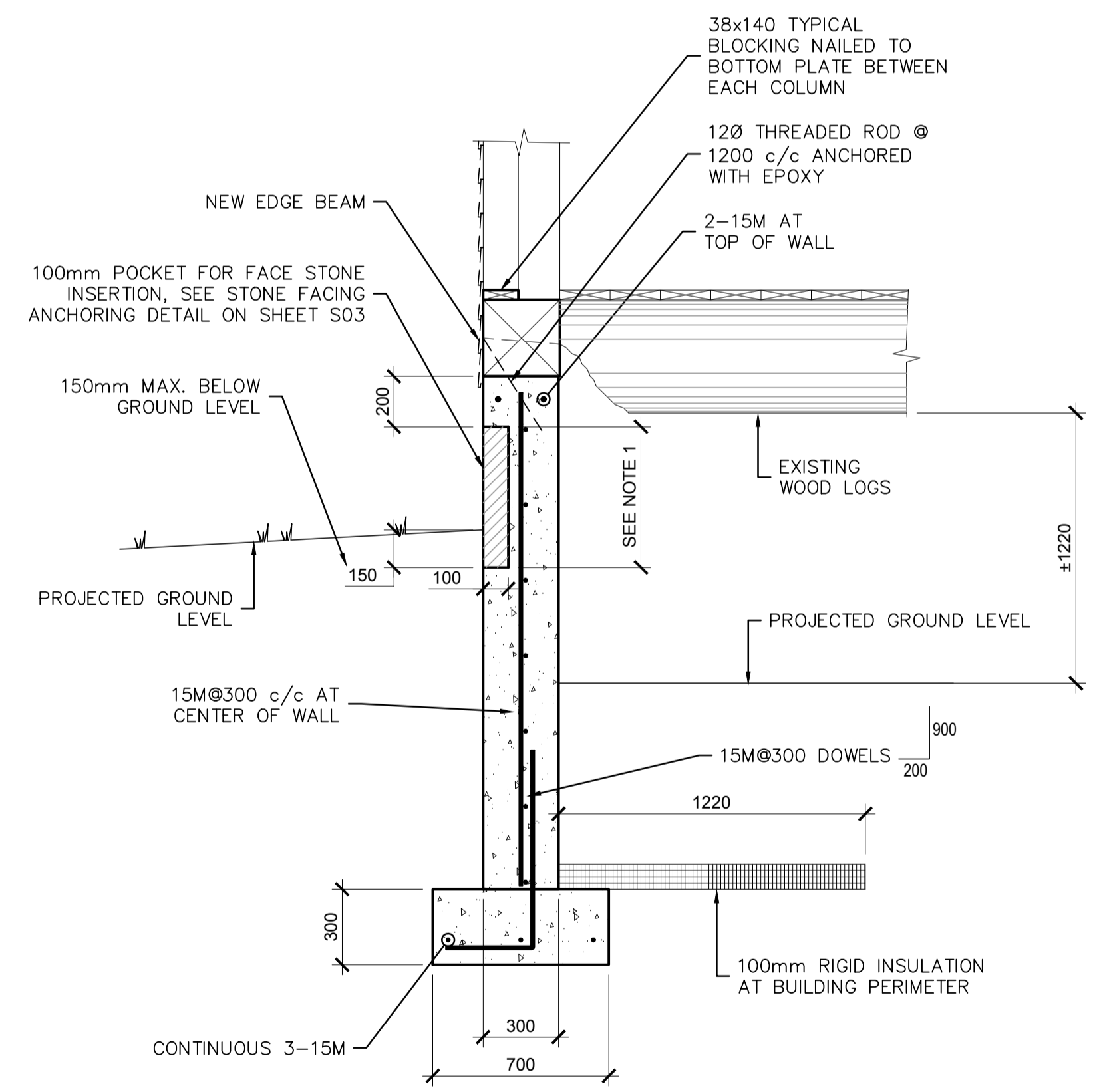
3 SECTION
S02/S04 1:20



6 LOAD BEARING WALL SECTION
S02/S04 1:20

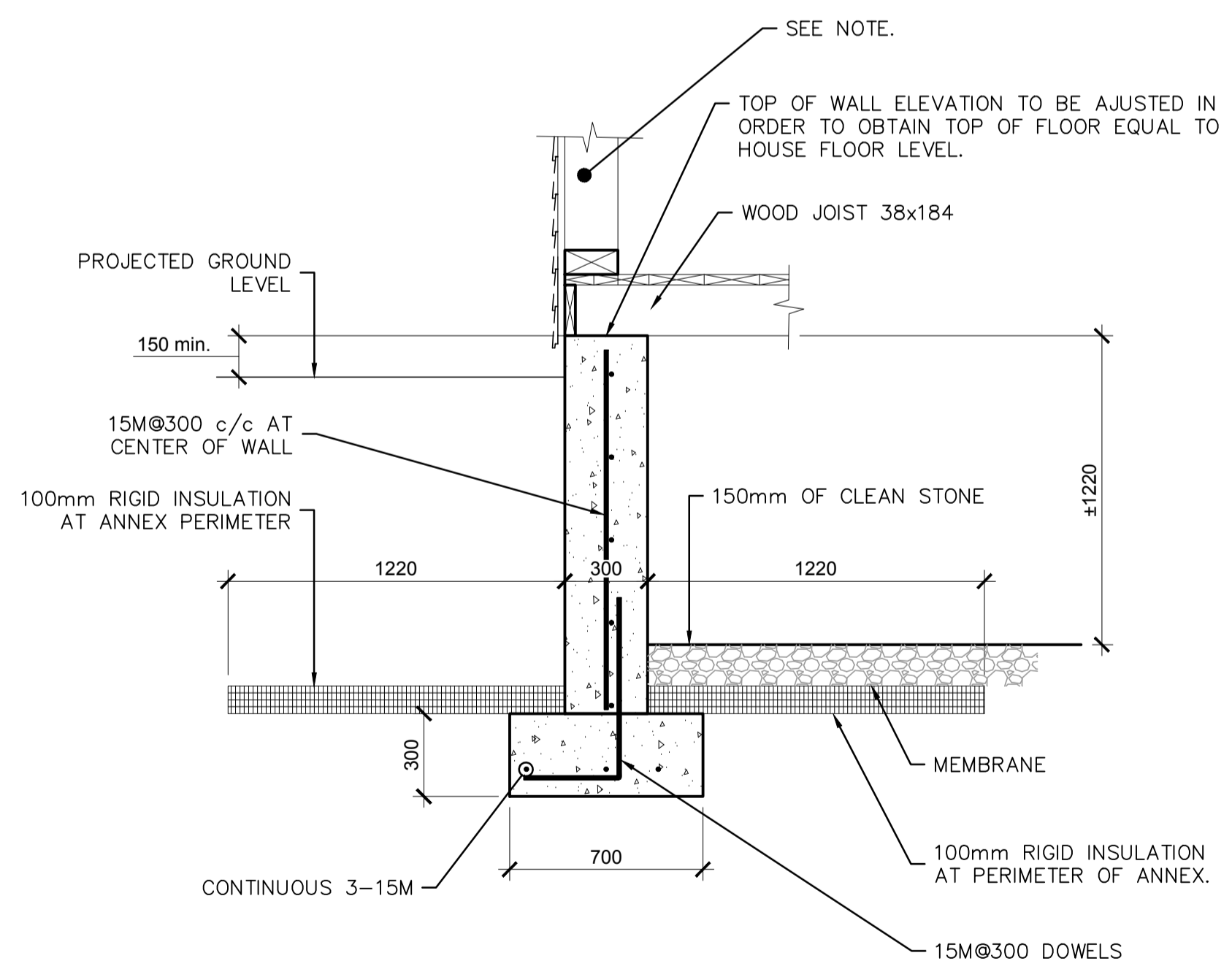


7 SECTION
S02/S04 1:20



1 SECTION
S02/S04 1:20

- NOTES:**
- POCKET HEIGHT FOR STONE INSERT MUST BE VALIDATED ON SITE WITH PROJECTED GROUND LEVEL. STONE INSERT MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
 - CONCRETE LINTEL MUST END 100mm AT EACH CORNER OF THE WALL IN ORDER TO INSTALL STONE FACING



2 SECTION
S02/S04 1:20

- NOTE:**
- WALL STUDS MUST BE TRIMMED IN ORDER TO ALIGN FLOOR LEVEL WITH HOUSE FLOOR LEVEL.



révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

A	A no. du detail detail no.	A
C	B sur dessin no. location drawing no.	B
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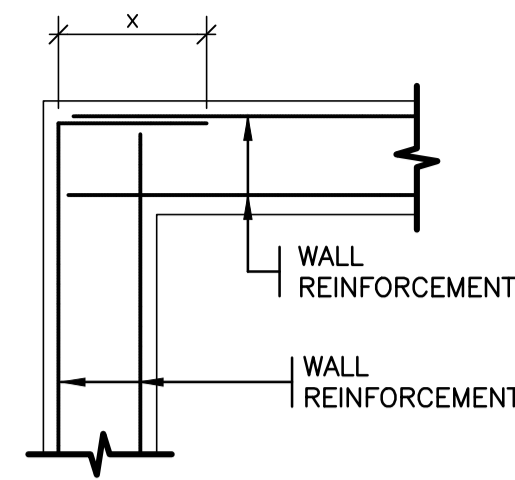
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RÉFECTION DE LA MAISON
JOSEPH-GAVEY
PARKS CANADA
FORILLON NATIONAL PARK
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RESTORATION OF THE HOUSE
JOSEPH-GAVEY

Dessin / Drawing
STRUCTURE
COUPES ET DÉTAILS
SECTIONS AND DETAILS

Conçu par / Designed By	F. LABRIE
Date / (yyyy/mm/dd)	
Dessiné par / Drawn By	V. BOURQUE
Date / (yyyy/mm/dd)	
Examiné par / Reviewed By	M. BOUCHARD
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	S04

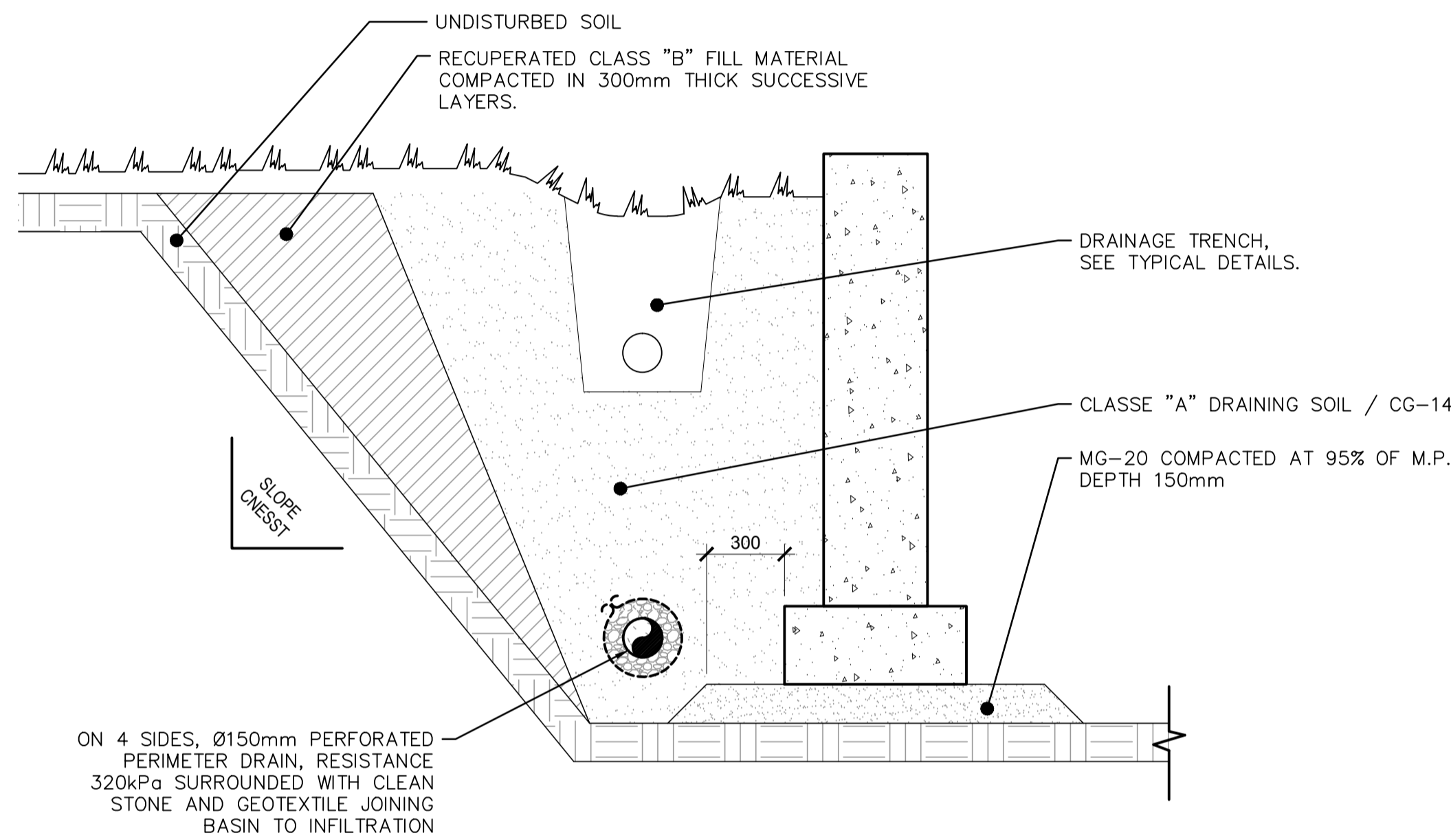
REBARS	x
10M	450
15M	670
20M	890
25M	1390
30M	1670



x = OVERLAP LENGTH CLASS "B" SUPERIOR
f'c = 35 MPa

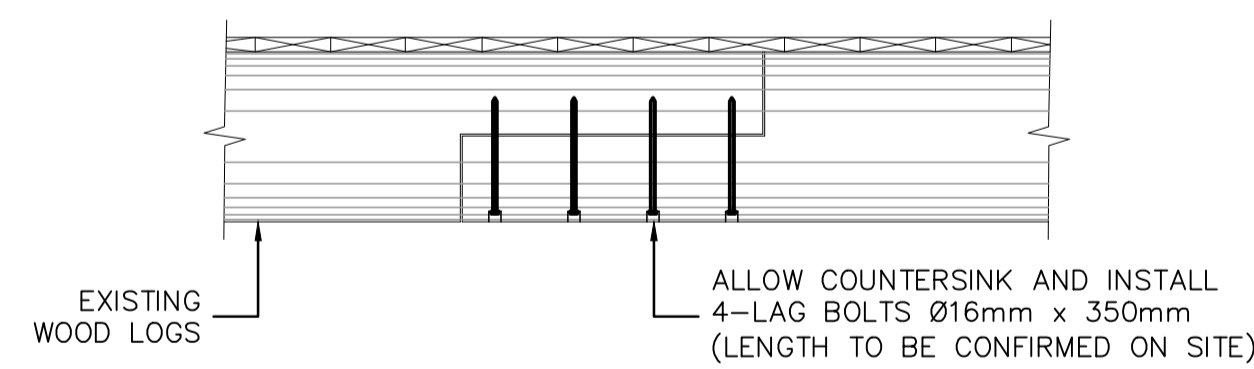
TYPICAL DETAIL - WALL CORNER REINFORCEMENT

AUCUNE



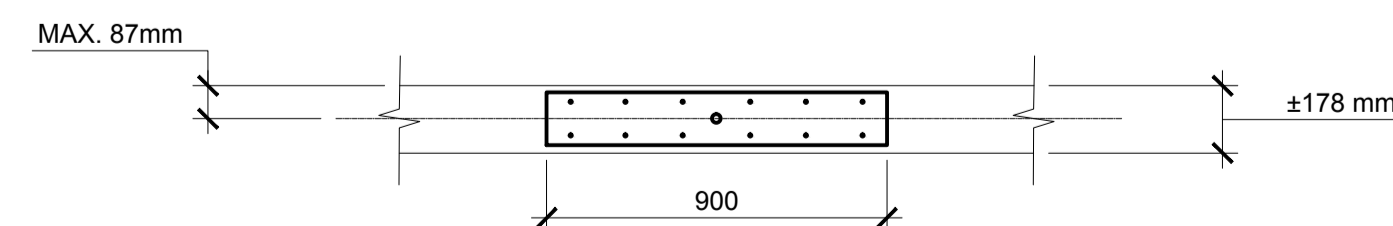
TYPICAL DETAIL - EXCAVATION / BACKFILL

1:20



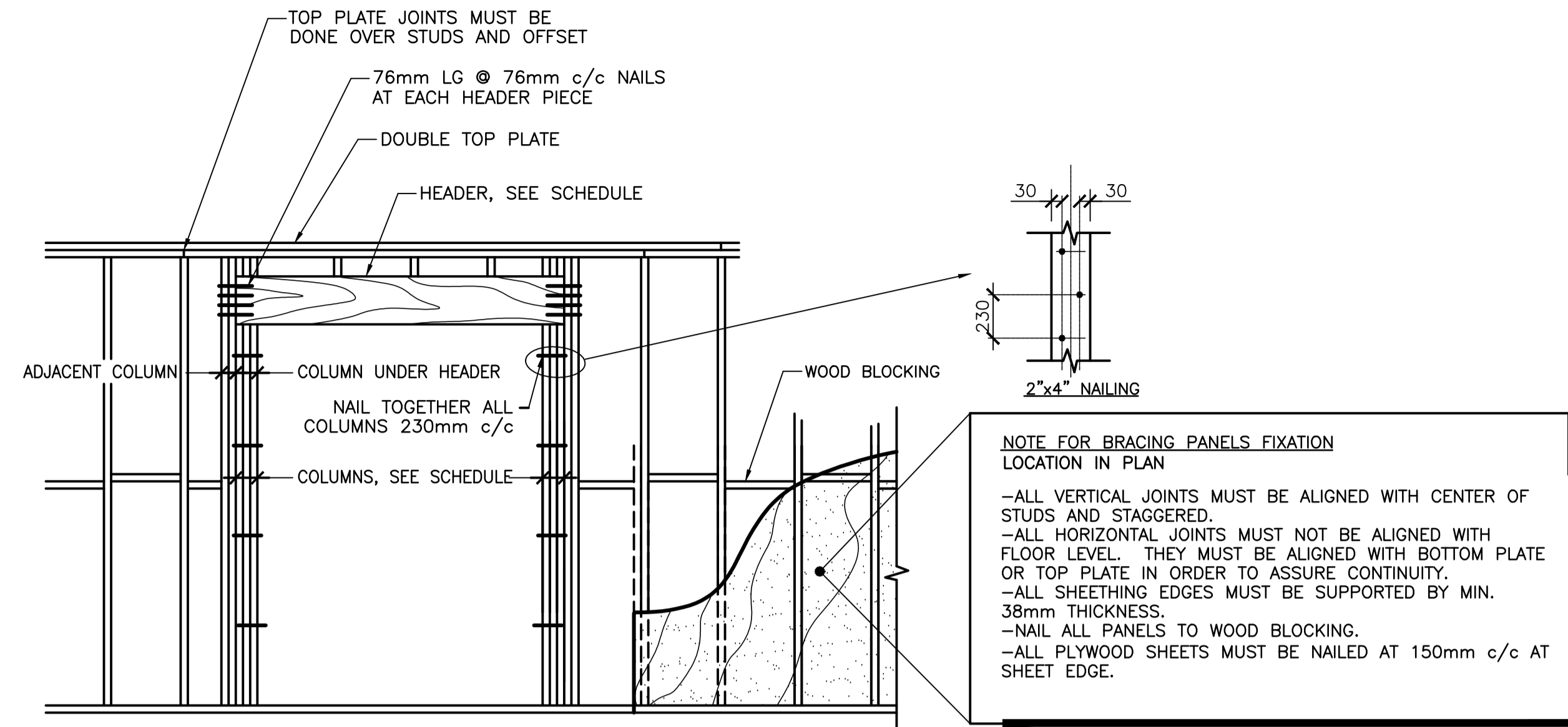
TYPICAL DETAIL - SPLICE REINFORCEMENT AT EXISTING BEAMS

1:20



TYPICAL DETAIL - FLOOR BEAM REINFORCEMENT WHEN CLEARHOLES ARE 60mm < Ø < 100mm

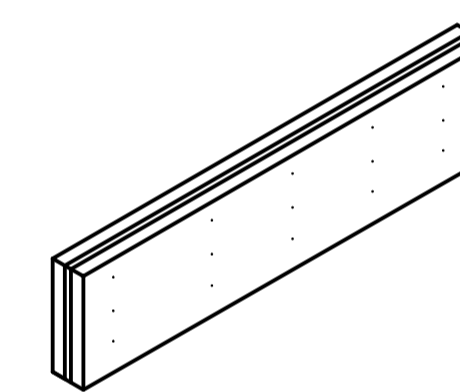
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TYPICAL ELEVATION - LOAD BEARING WALL

1:25

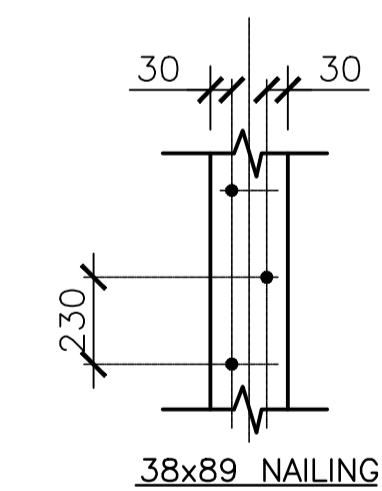
12mm PLYWOOD BETWEEN EACH PIECE



LVL 2-45x184
-2 ROWS OF NAILS 89mmXØ4.1 AT 405mm c/c IN ALTERNANCE ON EACH SIDE OF THE PIECE.
FOR 2-45x184
-2 ROWS OF NAILS 89XØ4.1mm AT 300mm c/c IN ALTERNANCE ON EACH SIDE OF THE PIECE.
FOR 2-38x184
-3 ROWS OF NAILS 89XØ4.1mm AT 300mm c/c IN ALTERNANCE ON EACH SIDE OF THE PIECE.

TYPICAL DETAIL - COMPOSITE HEADER ASSEMBLY

NONE



TYPICAL DETAIL - COMPOSITE COLUMN ASSEMBLY

NONE



révisions / revisions	description	date
0	ISSUED FOR TENDER	23.05.2018

A	A no. du detail detail no.	A
C	B sur dessin no. location drawing no.	B
	C drawing no. dessin no.	C

Projet Project
AGENCE PARCS CANADA
PARC NATIONAL FORILLON
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Dessin Drawing
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No. du projet	1817-2	Project no.
APC		PCA
No. du dessin	S05-DT-COU-1817-2.DWG	Drawing no.
		S05