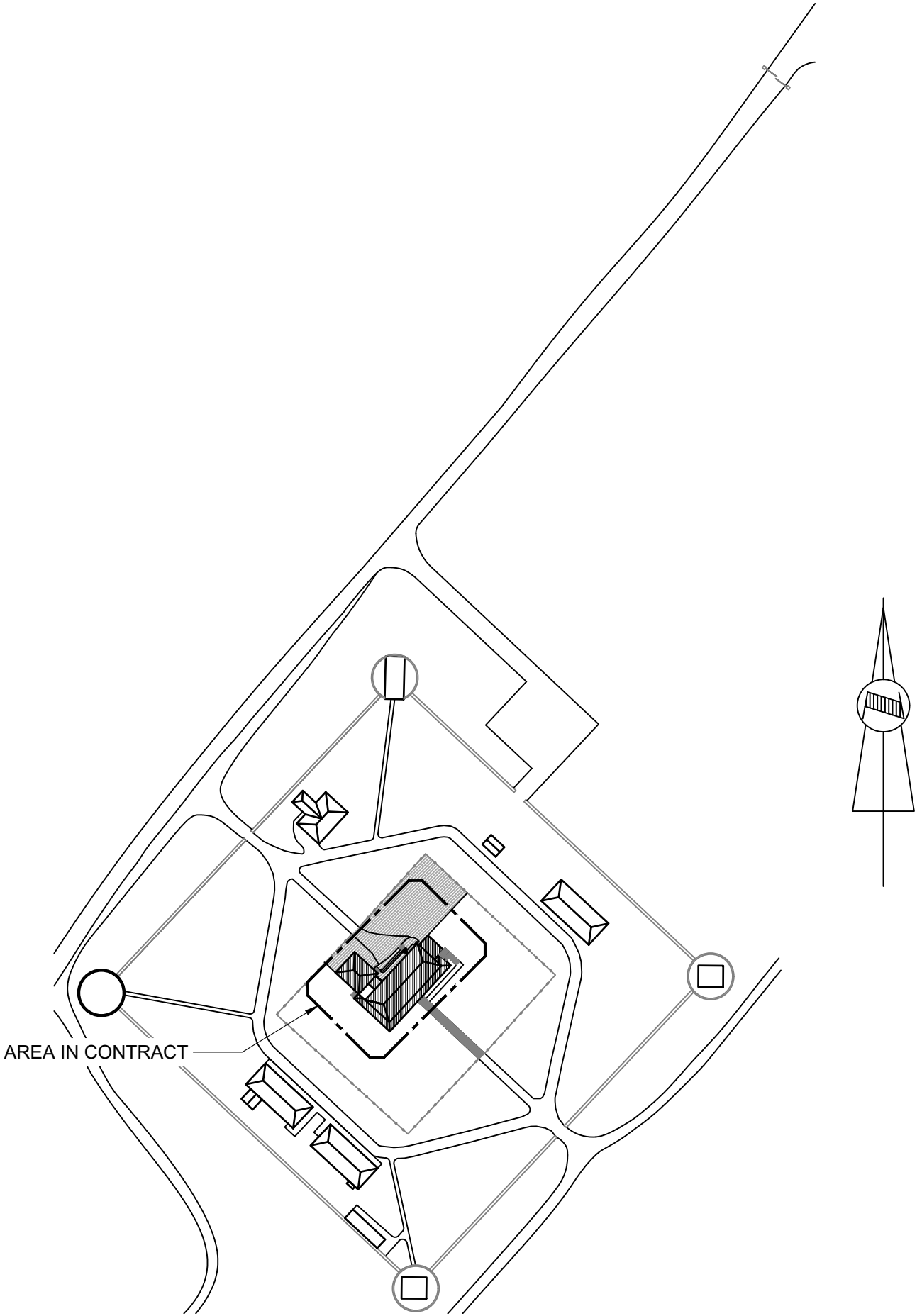


LOWER FORT GARRY
NATIONAL HISTORIC SITE
ST. ANDREWS, MB.

REHABILITATION LFG
NATIONAL HISTORIC SITE
(ELECTRICAL SCOPE)


Sheet List Table	
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KEY PLAN

N.T.S.


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RESUBMISSION



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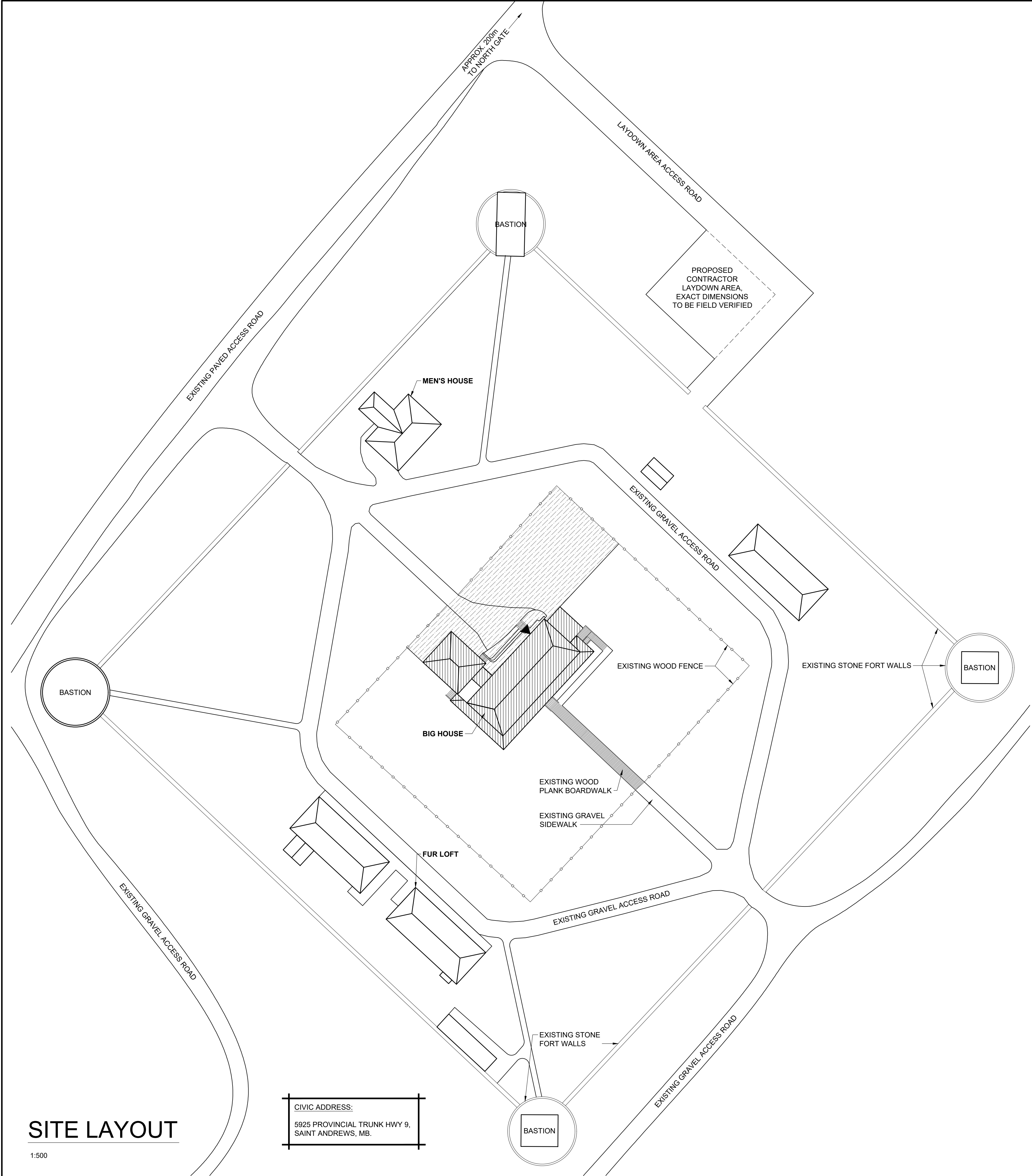
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RTD		
Approved by	Approuvé par	
LL		
Project Engineer / Manager	Administrateur de Projets / PEGC	
CHRISTINE LeCLERC		
Drawing title	Titre du dessin	
DRAWING INDEX ELECTRICAL		
Project No./No. du projet	Drawing No./No. du dessin	Revision No.
5P468-21-0054	INDEX 1 OF 13	R00

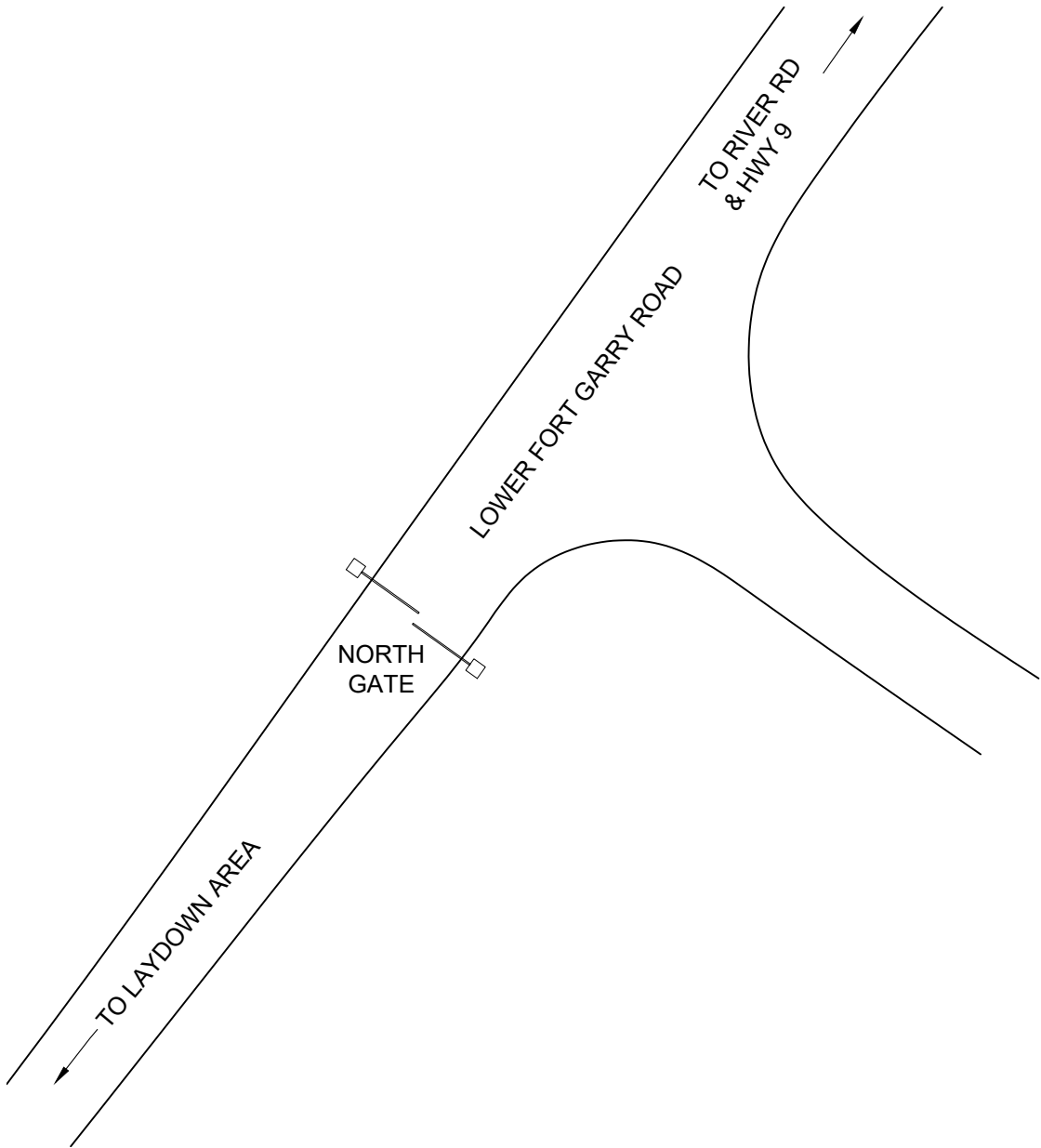


SITE LAYOUT

1:500

CIVIC ADDRESS:
5925 PROVINCIAL TRUNK HWY 9,
SAINT ANDREWS, MB.

LEGEND		
ITEM	SYMBOL	REMARKS
BUILDINGS IN CONTRACT		
CONSTRUCTION FENCED OFF AREA		
CONTRACTOR'S ENTRANCE		



NORTH GATE ACCESS

1:500

GENERAL NOTE:

LAYDOWN AREA SHOWN SHALL BE USED FOR SITE TRAILER, EQUIPMENT, PORTA POTTIES, SMOKING, PARKING, ETC. CONTRACTOR TO COORDINATE WITH PARKS CANADA IF ANY ADDITIONAL SPACE ON SITE IS REQUIRED.

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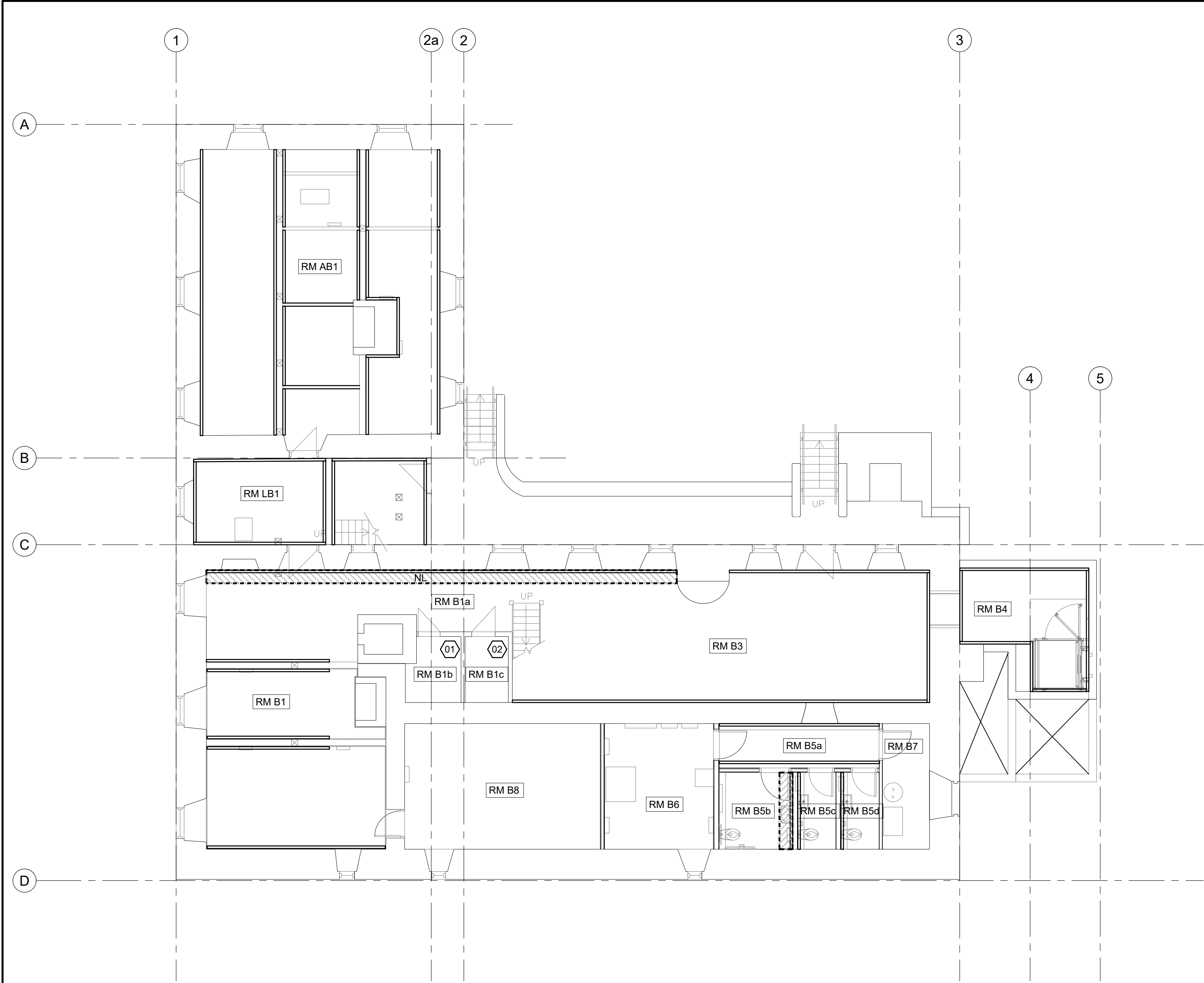
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RTD		
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Technical Project Manager	Administrateur de Projets TPSGC	
CHRISTINE LeCLERC		
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5P468-21-0054	C1	R00
	2 OF 13	



BIG HOUSE- BASEMENT FLOOR PLAN

1:100



FIGURE D1

EXISTING LIGHTING DRIVER SCHEDULE					
TAG	DRIVER LOCATION	LIGHTING LOCATION	CIRCUIT #	COMMENTS	DIMMER
01	RM B1b	RM B1 HISTORIC KITCHEN EAST	BH-P2B-30	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	RM B1b	RM B1 HISTORIC KITCHEN CENTER	BH-P2B-30	REPLACE	TEST. REPLACE IF NECESSARY
02	RM B1c	RM B3 HISTORIC KITCHEN	BH-P2B-30	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	RM B1c	RM LB1 LAUNDRY	TO CONFIRM	REPLACE	TEST. REPLACE IF NECESSARY
	RM B1c	RM B3 LAUNDRY	BH-P2B-36	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	RM B1c	RM B3 KITCHEN/LOBBY	BH-P2B-36	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY

LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF LIGHTING REMOVAL		RM B1, B1a, B3, B5b
NIGHT LIGHT	NL	

- BIG HOUSE GENERAL DEMOLITION NOTES - BASEMENT FLOOR:**
- REMOVE ALL LIGHT FIXTURES IN AREAS INDICATED ON THE PLAN. BASEMENT NIGHT LIGHTS ARE CONNECTED TO EMERGENCY LIGHTING INVERTER ELI-B.
 - CHECK THE CONDITION AND OPERATION OF LIGHTING DRIVERS AND DIMMERS IN WATER DAMAGED AREA. ENSURE THERE IS NO WATER OR EVIDENCE OF CORROSION INSIDE. CHECK LIGHTING IN ROOM SERVICED BY DRIVER AND DIMMER IS FULLY FUNCTIONAL. DRIVERS AND DIMMERS ARE WALL MOUNTED (SEE FIGURE D1 FOR TYPICAL DRIVER).
 - DISCONNECT AND REMOVE ALL DAMAGED DRIVERS AND DIMMERS.
 - EXISTING WIRING TO LIGHT FIXTURES AND DEVICES TO REMAIN FOR RE-USE.

EXISTING LIGHTING SPECIFICATIONS	
OPERATING VOLTAGE	24VDC
POWER	5.5W per 300mm
LUMEN OUTPUT	680 per 300mm (@ 3000K)
DESCRIPTION	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE LED CIRCUIT STRIP.

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NATIONAL HISTORIC SITE

(ELECTRICAL SCOPE)

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Dessiné par

RTD

Approved by

Approuvé par

LL

Project Engineer / Manager

Administrateur de Projets / PEGC

CHRISTINE LeCLERC

Drawing title

Titre du dessin

BIG HOUSE

LIGHTING DEMOLITION PLAN

BASEMENT FLOOR

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Revision No.

5P468-21-0054

D1.1

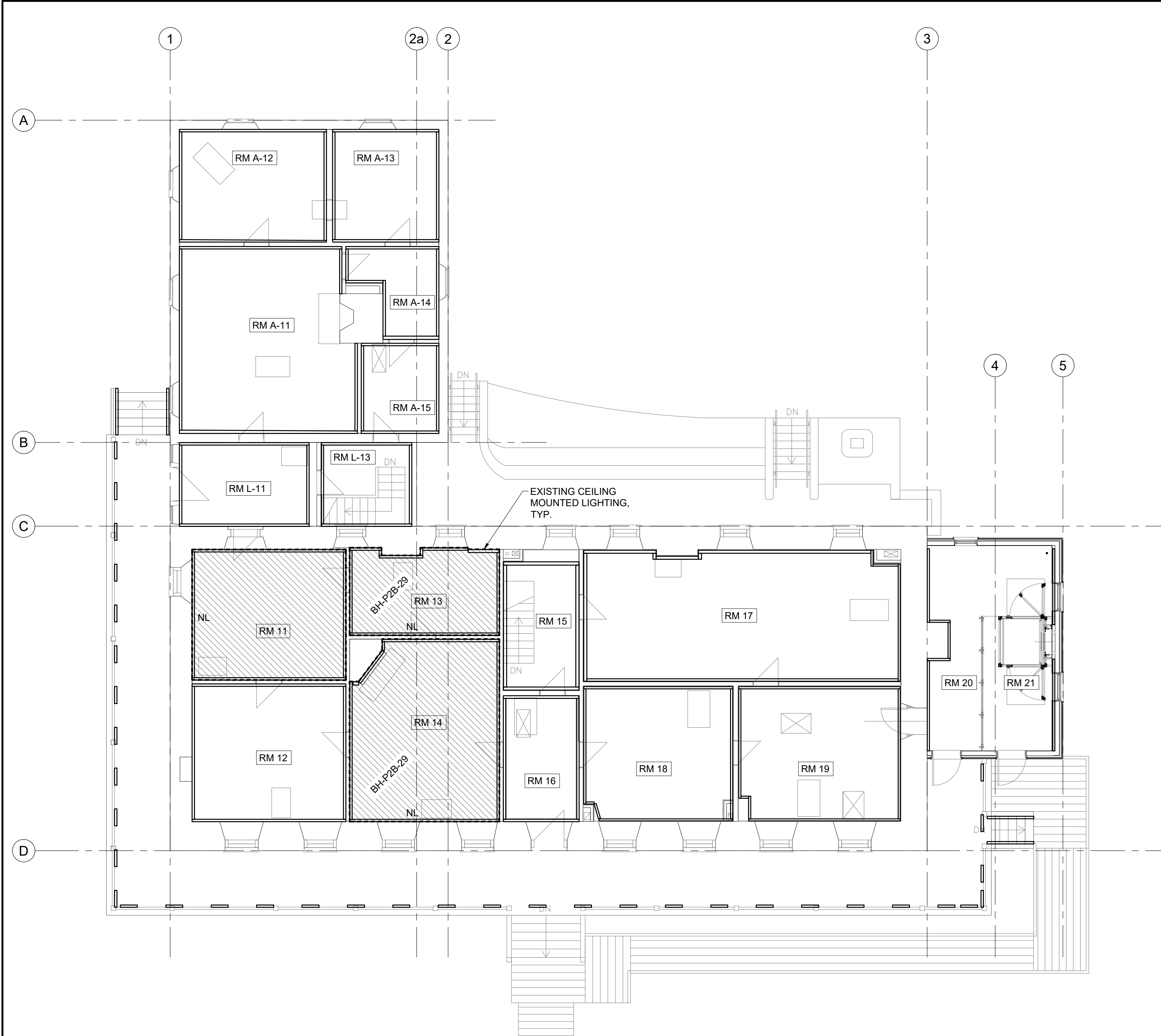
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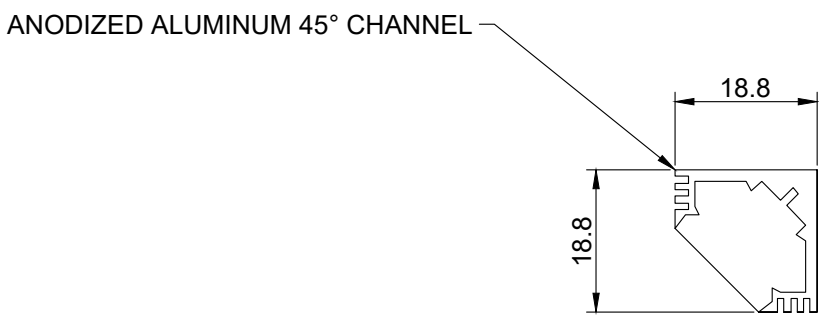


BIG HOUSE- MAIN FLOOR PLAN

1:100

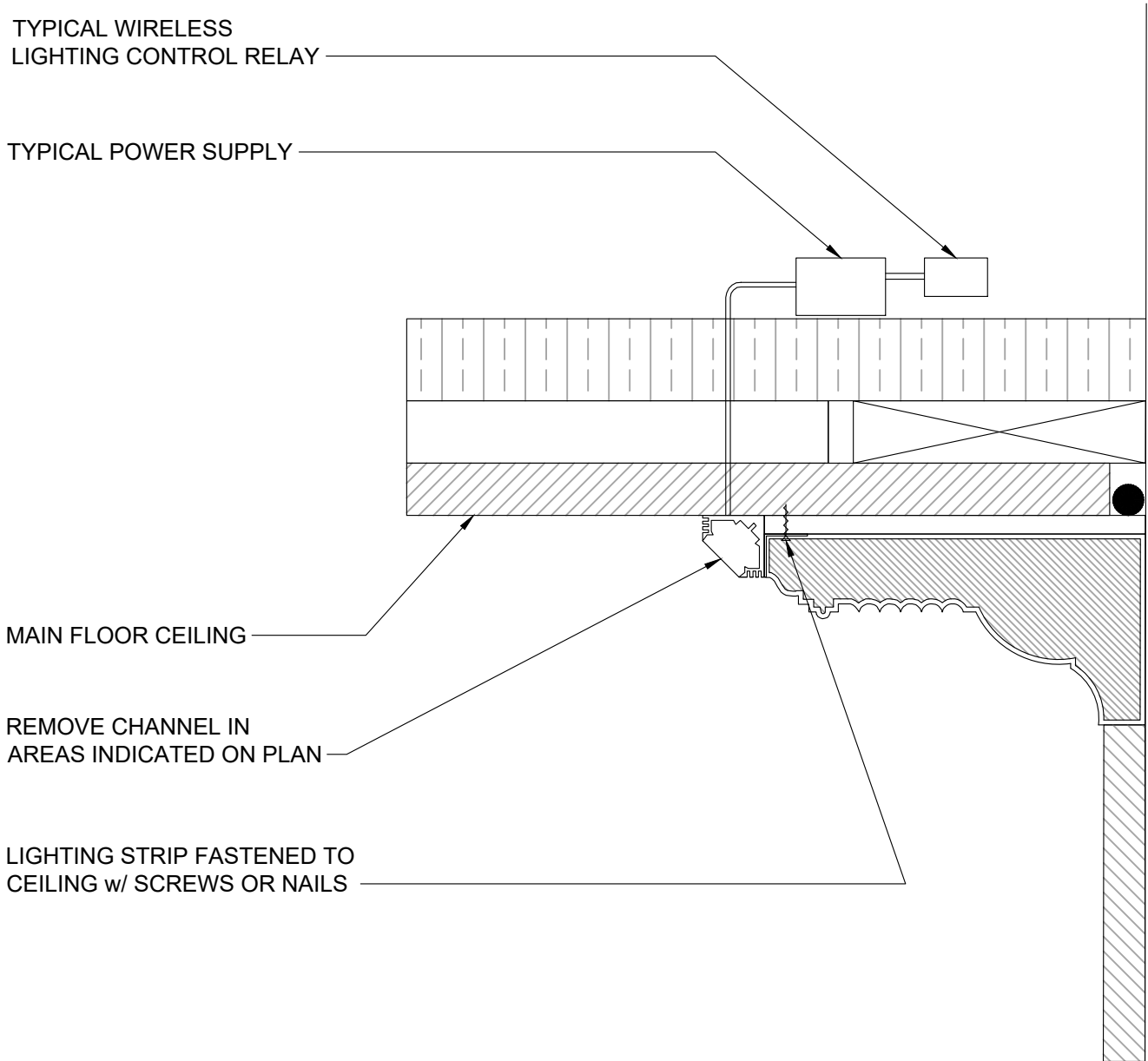
LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF LIGHTING REPLACEMENT		RM 11, 13, 14
NIGHT LIGHT	NL	

BIG HOUSE GENERAL DEMOLITION NOTES - MAIN FLOOR:		
-	REMOVE ALL LIGHT FIXTURES IN AREAS INDICATED ON THE PLAN. MAIN FLOOR NIGHT LIGHTS ARE CONNECTED TO EMERGENCY LIGHTING INVERTER ELI-M.	
-	EXISTING WIRING TO LIGHT FIXTURES TO REMAIN FOR RE-USE.	



CHANNEL DETAIL

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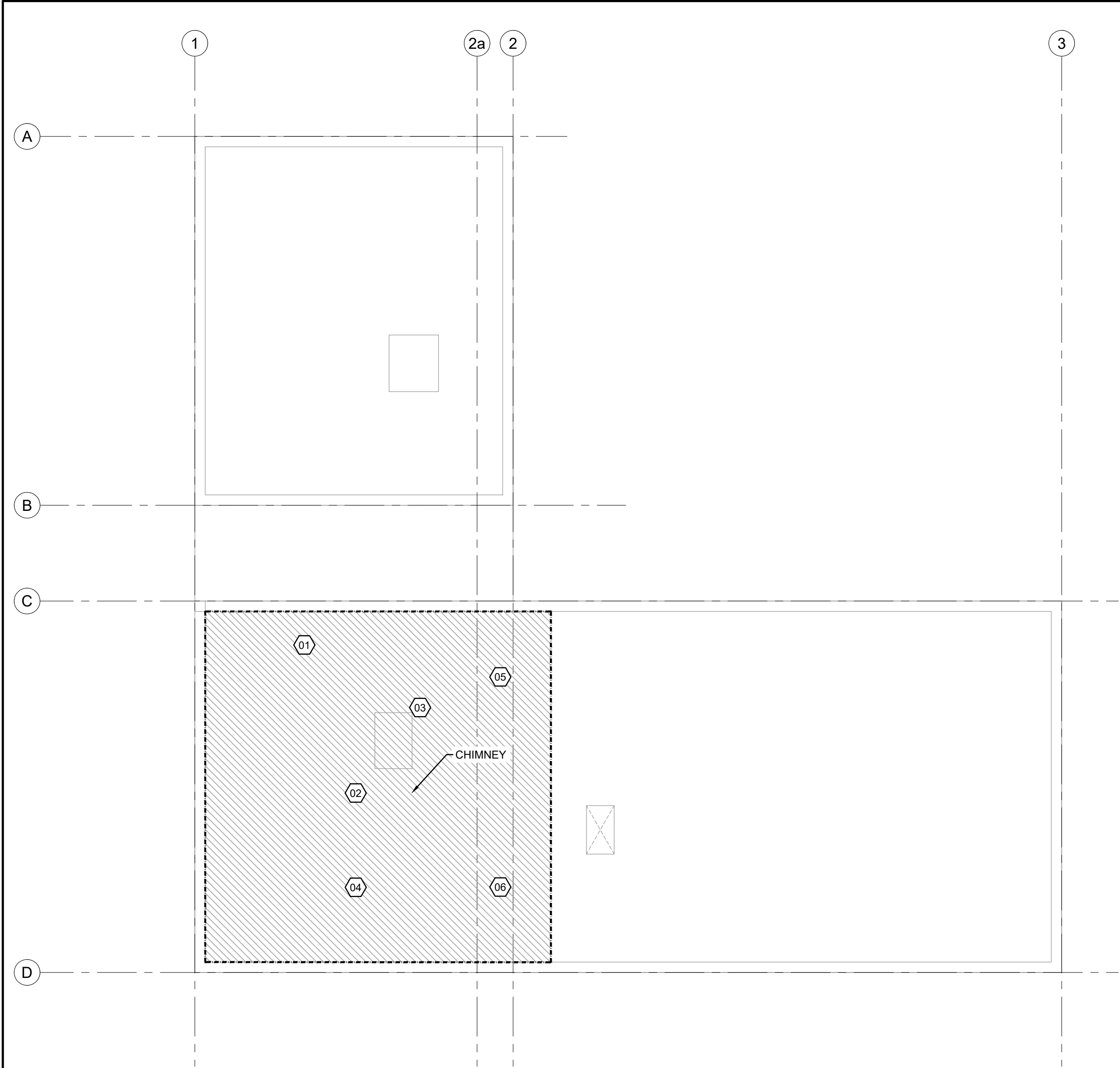
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REHABILITATION LFG NATIONAL HISTORIC SITE (ELECTRICAL SCOPE)	

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Drawn by	Dessiné par
RTD	
Approved by	Approuvé par
LL	
Project Engineer / Manager	Administrateur de Projets / PEGC
CHRISTINE LeCLERC	

Drawing title	Titre du dessin
BIG HOUSE LIGHTING DEMOLITION PLAN MAIN FLOOR	
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5P468-21-0054	D1.2	R00
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BIG HOUSE- ATTIC LEVEL

1:100



FIGURE D2



FIGURE D3

EXISTING LIGHTING DRIVER SCHEDULE					
TAG	DRIVER LOCATION	LIGHTING LOCATION	CIRCUIT #	COMMENTS	DIMMER
01	ATTIC	RM L11 ANNEX HALL	BH-P2B-28	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM L11 ANNEX HALL	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	ANNEX STAIRS	BH-P2B-28	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	ANNEX STAIRS	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
02	ATTIC	RM L11 DINING RM	BH-P2B-27	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM L11 DINING RM	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
03	ATTIC	RM 13 STUDY	BH-P2B-28	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 13 STUDY	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 14 PARLOUR	BH-P2B-27	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 14 PARLOUR	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
04	ATTIC	RM 12 COLVILLE BEDROOM	BH-P2B-27	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 12 COLVILLE BEDROOM	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
05	ATTIC	RM 15 FRONT STAIRS	BH-P2B-26	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 15 FRONT STAIRS	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
06	ATTIC	RM 16 FRONT ENTRANCE	BH-P2B-26	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY
	ATTIC	RM 16 FRONT ENTRANCE	BH-P2B-37 N/L	TEST. REPLACE IF NECESSARY	TEST. REPLACE IF NECESSARY

HATCH LEGEND		
ITEM	SYMBOL	REMARKS
LOCATION OF WATER DAMAGE		

BIG HOUSE GENERAL DEMOLITION NOTES - ATTIC LEVEL:		
- CHECK THE CONDITION AND OPERATION OF LIGHTING DRIVERS AND DIMMERS IN WATER DAMAGED AREA. ENSURE THERE IS NO WATER OR EVIDENCE OF CORROSION INSIDE. CHECK LIGHTING IN ROOM SERVICED BY DRIVER AND DIMMER IS FULLY FUNCTIONAL. DRIVERS AND DIMMERS ARE EITHER SURFACE MOUNTED TO U/S OF ROOF RAFTERS (SEE FIGURE D2) OR TO ATTIC FLOOR JOISTS (SEE FIGURE D3).		
- DISCONNECT AND REMOVE ALL DAMAGED DRIVERS AND DIMMERS.		
- EXISTING WIRING TO DEVICES TO BE TESTED AND CAN REMAIN FOR RE-USE.		

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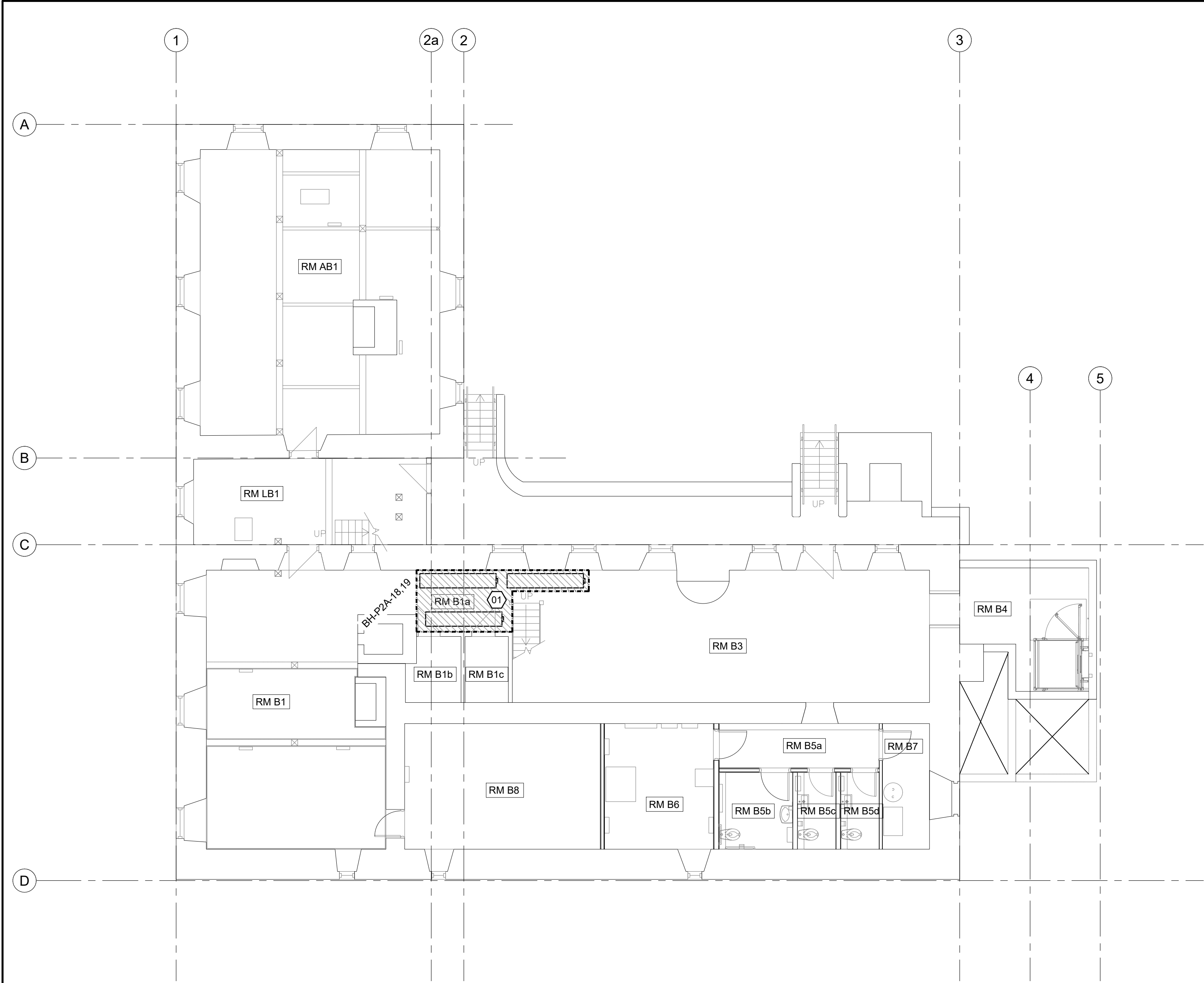
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Drawn by	Dessiné par
RTD	
Approved by	Approuvé par
LL	
Project Manager	Administrateur de Projets (PSGC)
CHRISTINE LeCLERC	
Drawing title	Titre du dessin
BIG HOUSE	
LIGHTING DEMOLITION PLAN	
ATTIC LEVEL	
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5P468-21-0054	D1.3	R00
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BIG HOUSE- BASEMENT FLOOR PLAN

1:100

EXISTING BASEMENT RADIANT CEILING PANEL SCHEDULE						
TAG	ELECTRICAL REQUIREMENTS (V)	PANEL PHYSICAL DIMENSION		WEIGHT (lbs)	WATTS	QTY
		WIDTH (mm)	LENGTH (mm)			
RP-1	208	458	2439	20.4	260	3

LEGEND		
ITEM	SYMBOL	REMARKS
THERMOSTAT		
AREA OF CEILING HEATING PANEL REPLACEMENT		
PANEL TYPE RP-1		
PANEL TYPE RP-2		
PANEL TYPE RP-3		
PANEL TYPE RP-4		

BIG HOUSE GENERAL DEMOLITION NOTES - BASEMENT FLOOR:

- 01 DISCONNECT AND REMOVE DAMAGED RADIANT CEILING HEATER PANELS FROM ROOM B1a.

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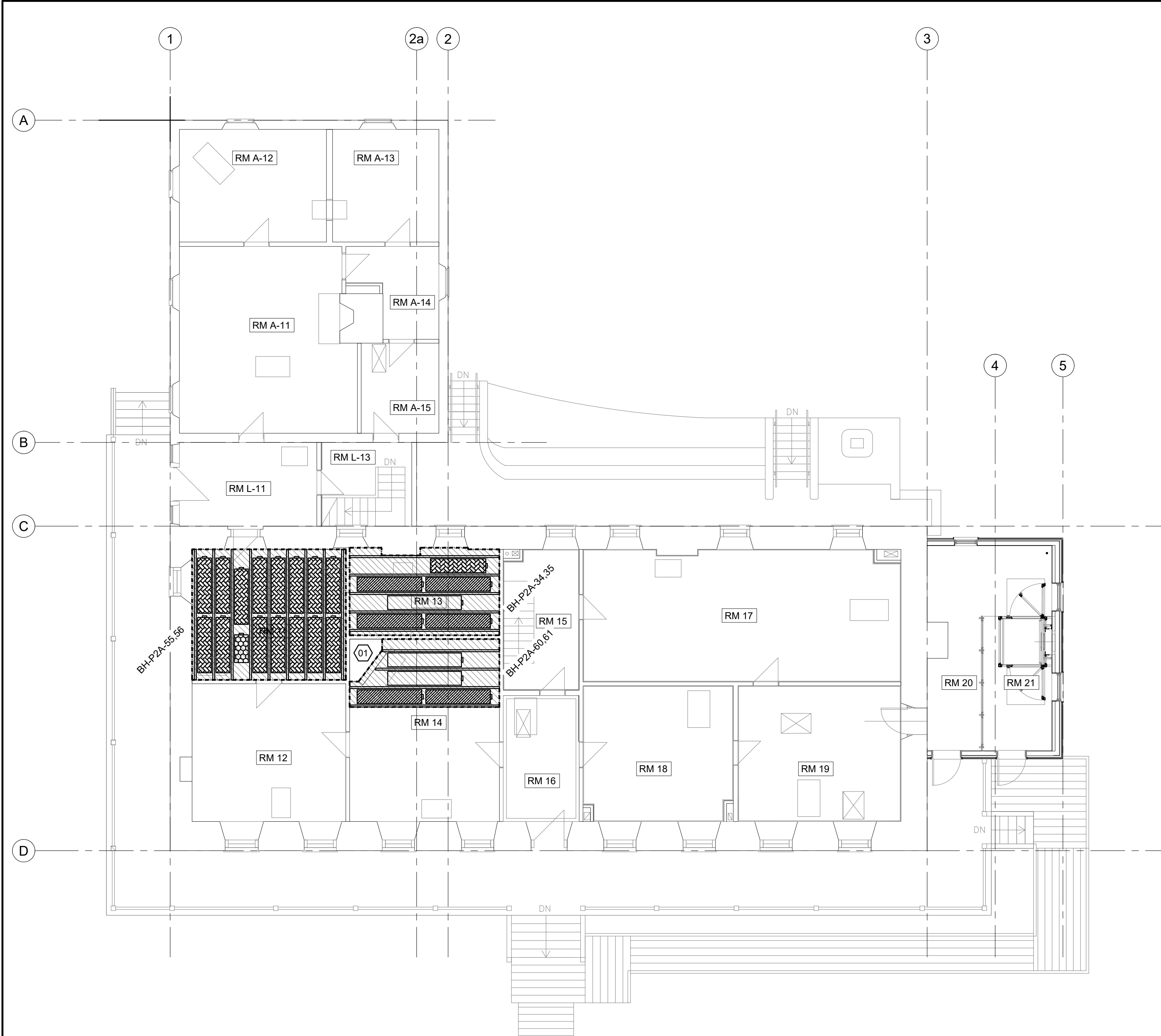
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BIG HOUSE- MAIN FLOOR PLAN

1:100

EXISTING MAIN FLOOR RADIANT CEILING PANEL SCHEDULE						
TAG	ELECTRICAL REQUIREMENTS (V)	PANEL PHYSICAL DIMENSION		WEIGHT (lbs)	WATTS	QTY
		WIDTH (mm)	LENGTH (mm)			
RP-1	208	458	2439	20.4	260	3
RP-2	208	458	2134	17.9	230	6
RP-3	208	458	915	7.7	95	1
RP-4	208	458	1829	15.3	195	16

LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF CEILING REPLACEMENT		RM 11, 13, 14
PANEL TYPE RP-1		
PANEL TYPE RP-2		
PANEL TYPE RP-3		
PANEL TYPE RP-4		

BIG HOUSE GENERAL DEMOLITION NOTES - MAIN FLOOR:

01 DISCONNECT AND REMOVE DAMAGED RADIANT CEILING HEATER PANELS FROM ROOMS 11, 13 & 14.

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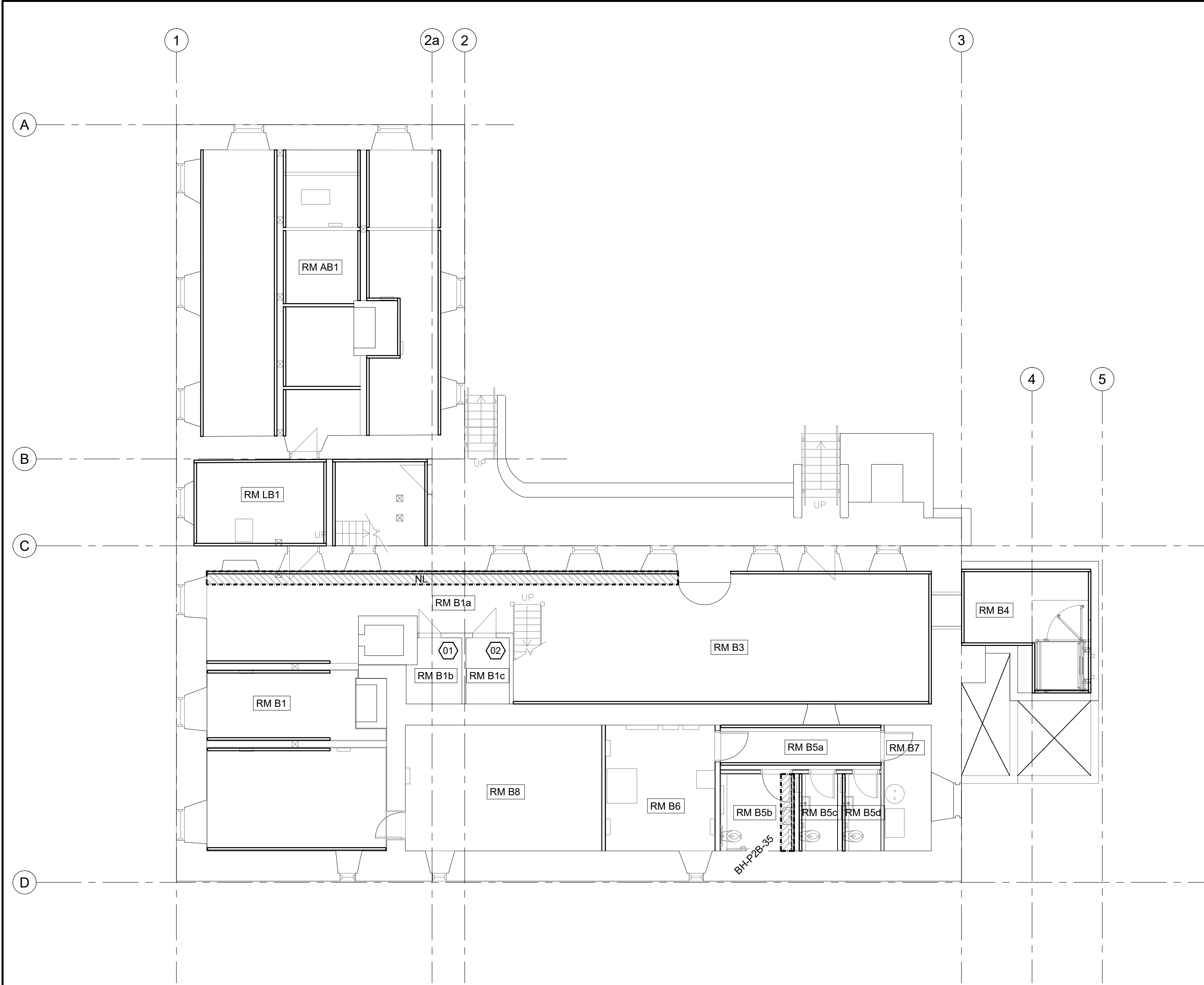
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BIG HOUSE HEATING DEMOLITION PLAN MAIN FLOOR	
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	7 OF 13	

D2.2.dwg



BIG HOUSE- BASEMENT FLOOR PLAN

1:100

NEW LIGHTING DRIVER SCHEDULE					
TAG	DRIVER LOCATION	LIGHTING LOCATION	CIRCUIT #	COMMENTS	DIMMER
01	RM B1b	RM B1 HISTORIC KITCHEN EAST	BH-P2B-30	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	RM B1b	RM B1 HISTORIC KITCHEN CENTER	BH-P2B-30	REPLACE	REPLACE IF NECESSARY
02	RM B1c	RM B3 HISTORIC KITCHEN	BH-P2B-30	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	RM B1c	RM LB1 LAUNDRY	TO CONFIRM	REPLACE	REPLACE IF NECESSARY
	RM B1c	RM LB1 LAUNDRY	BH-P2B-36	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	RM B1c	RM B3 KITCHEN/LOBBY	BH-P2B-36	REPLACE IF NECESSARY	REPLACE IF NECESSARY

LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF LIGHTING INSTALLATION		RM B1, B1a, B3, B5b
NIGHT LIGHT	NL	

- BIG HOUSE GENERAL CONSTRUCTION NOTES - BASEMENT FLOOR:**
- INSTALL ALL LIGHT FIXTURES IN AREAS INDICATED ON THE PLAN. BASEMENT NIGHT LIGHTS ARE CONNECTED TO EMERGENCY LIGHTING INVERTER ELI-B.
 - REPLACE ALL DAMAGED DRIVERS AND DIMMERS.
 - EXISTING WIRING TO LIGHT FIXTURES AND DEVICES TO BE RE-USED.

NEW LIGHTING SPECIFICATIONS	
OPERATING VOLTAGE	24VDC
POWER	5.5W per 300mm
LUMEN OUTPUT	680 per 300mm
DESCRIPTION	HIGH OUTPUT, LOW VOLTAGE, THIN AND FLEXIBLE LED CIRCUIT STRIP.

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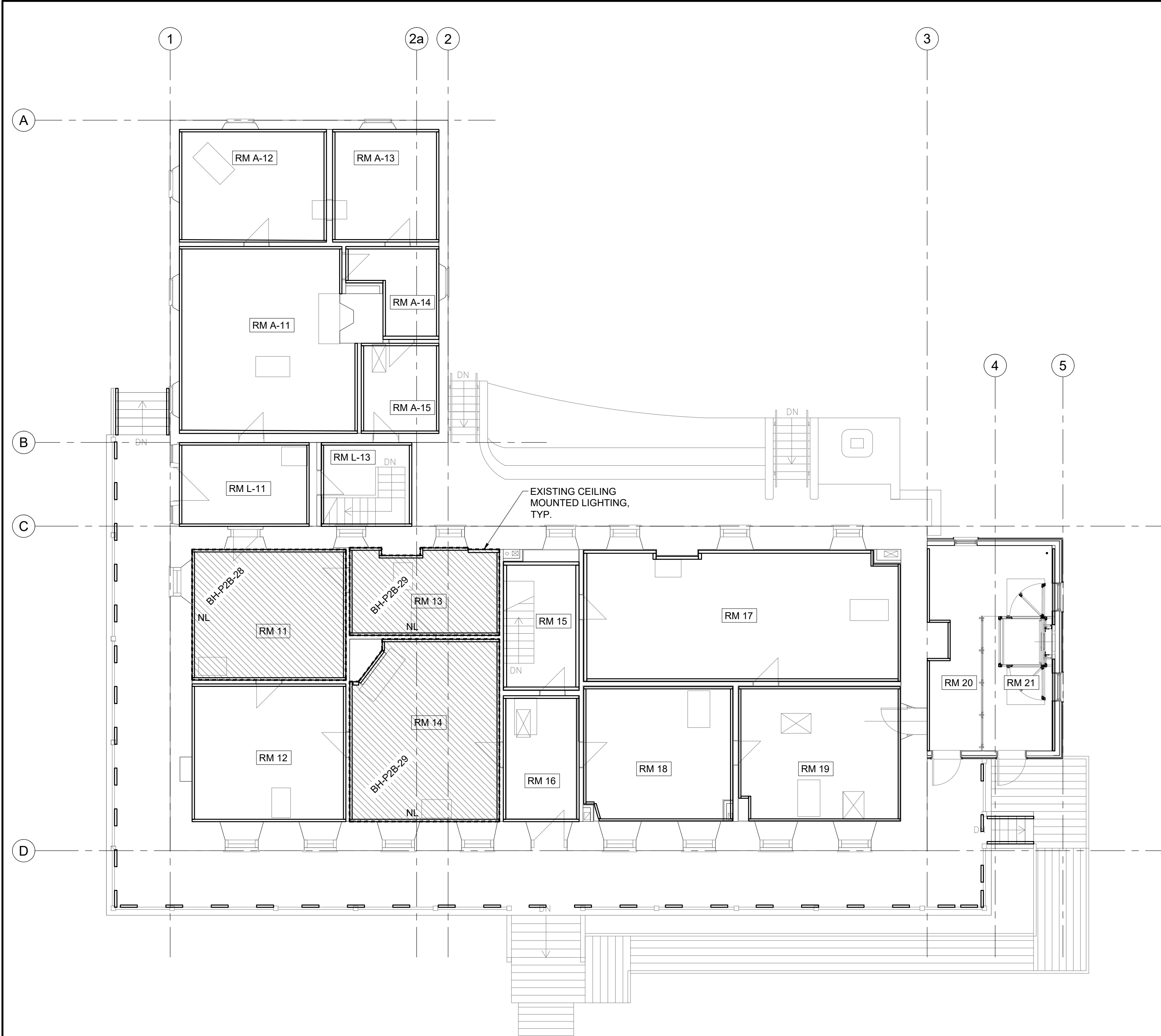
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CHRISTINE LeCLERC	
Drawing title	Titre du dessin
BIG HOUSE LIGHTING PLAN BASEMENT FLOOR	
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Project No./No. du projet	Drawing No./No. du dessin	Revision No.
5P468-21-0054	E1.1 8 OF 13	R00

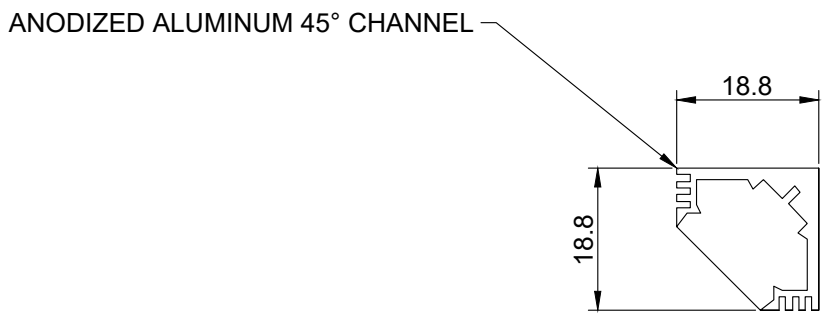


BIG HOUSE- MAIN FLOOR PLAN

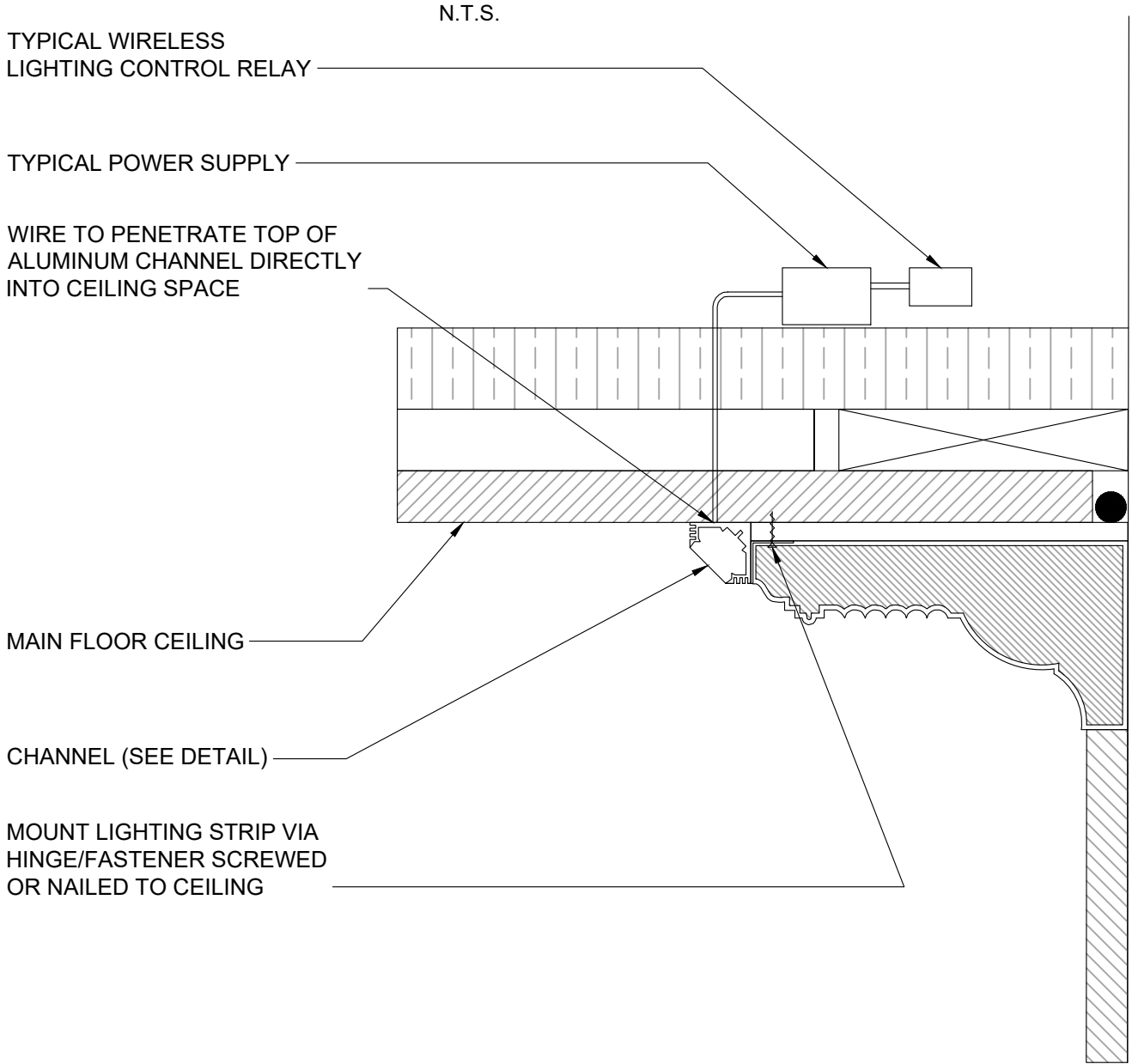
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LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF LIGHTING INSTALLATION		RM 11, 13, 14
NIGHT LIGHT	NL	

- BIG HOUSE GENERAL CONSTRUCTION NOTES - MAIN FLOOR:**
- INSTALL ALL LIGHT FIXTURES IN AREAS INDICATED ON THE PLAN. MAIN FLOOR NIGHT LIGHTS ARE CONNECTED TO EMERGENCY LIGHTING INVERTER ELI-M.
 - REPLACE ALL DAMAGED DRIVERS AND DIMMERS.
 - EXISTING WIRING TO LIGHT FIXTURES AND DEVICES TO BE RE-USED.



CHANNEL DETAIL



LUMINAIRE WIRING DETAIL

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3	TENDER READY RESUBMISSION	2022-06-29
2	TENDER READY	2022-04-11
1	ISSUED FOR 90% REVIEW RESUBMISSION	2021-12-14
0	ISSUED FOR 90% REVIEW	2021-11-08

Revision	Description	Date
Client		Client

PARKS CANADA AGENCY

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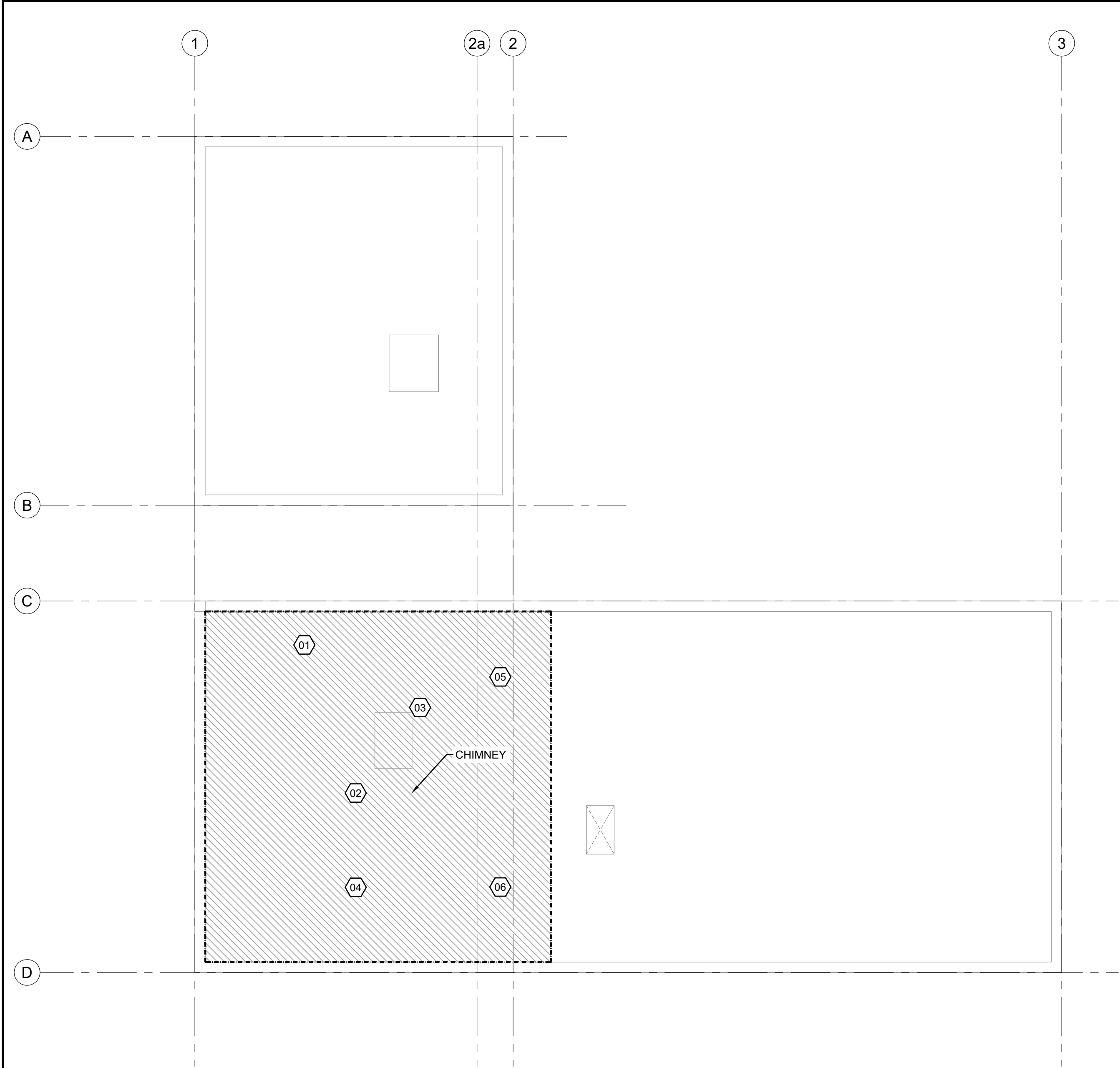
CALGARY, AB. T2G 4X3

Project title	Projet
LOWER FORT GARRY	
NATIONAL HISTORIC SITE	
ST. ANDREWS, MB.	
REHABILITATION LFG	
NATIONAL HISTORIC SITE	
(ELECTRICAL SCOPE)	

Designed by	Conçu par
KAS	
Drawn by	Dessiné par
RTD	
Approved by	Approuvé par
LL	
Project Engineer Manager	Administrateur de Projets IPSGC
CHRISTINE LeCLERC	

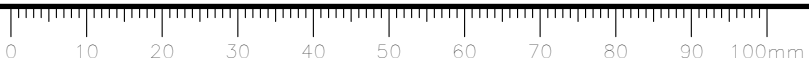
Drawing title	Titre du dessin
BIG HOUSE	
LIGHTING PLAN	
MAIN FLOOR	
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Project no./No. du projet	Issued on/No. de dessin	Revised by
5P468-21-0054	E1.2	R00
	9 OF 13	



BIG HOUSE- ATTIC LEVEL

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NEW LIGHTING DRIVER SCHEDULE					
TAG	DRIVER LOCATION	LIGHTING LOCATION	CIRCUIT #	COMMENTS	DIMMER
01	ATTIC	RM L11 ANNEX HALL	BH-P2B-28	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM L11 ANNEX HALL	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	ANNEX STAIRS	BH-P2B-28	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	ANNEX STAIRS	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
02	ATTIC	RM L11 DINING RM	BH-P2B-27	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM L11 DINING RM	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
03	ATTIC	RM 13 STUDY	BH-P2B-28	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 13 STUDY	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 14 PARLOUR	BH-P2B-27	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 14 PARLOUR	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
04	ATTIC	RM 12 COLVILLE BEDROOM	BH-P2B-27	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 12 COLVILLE BEDROOM	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
05	ATTIC	RM 15 FRONT STAIRS	BH-P2B-26	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 15 FRONT STAIRS	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY
06	ATTIC	RM 16 FRONT ENTRANCE	BH-P2B-26	REPLACE IF NECESSARY	REPLACE IF NECESSARY
	ATTIC	RM 16 FRONT ENTRANCE	BH-P2B-37 N/L	REPLACE IF NECESSARY	REPLACE IF NECESSARY

HATCH LEGEND		
ITEM	SYMBOL	REMARKS
LOCATION OF WATER DAMAGE		

BIG HOUSE GENERAL CONSTRUCTION NOTES - MAIN FLOOR:	
-	REPLACE ALL DAMAGED DRIVERS AND DIMMERS.
-	EXISTING WIRING TO DEVICES TO BE TESTED AND CAN REMAIN FOR RE-USE.

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Revision	Description	Date
Client		Client

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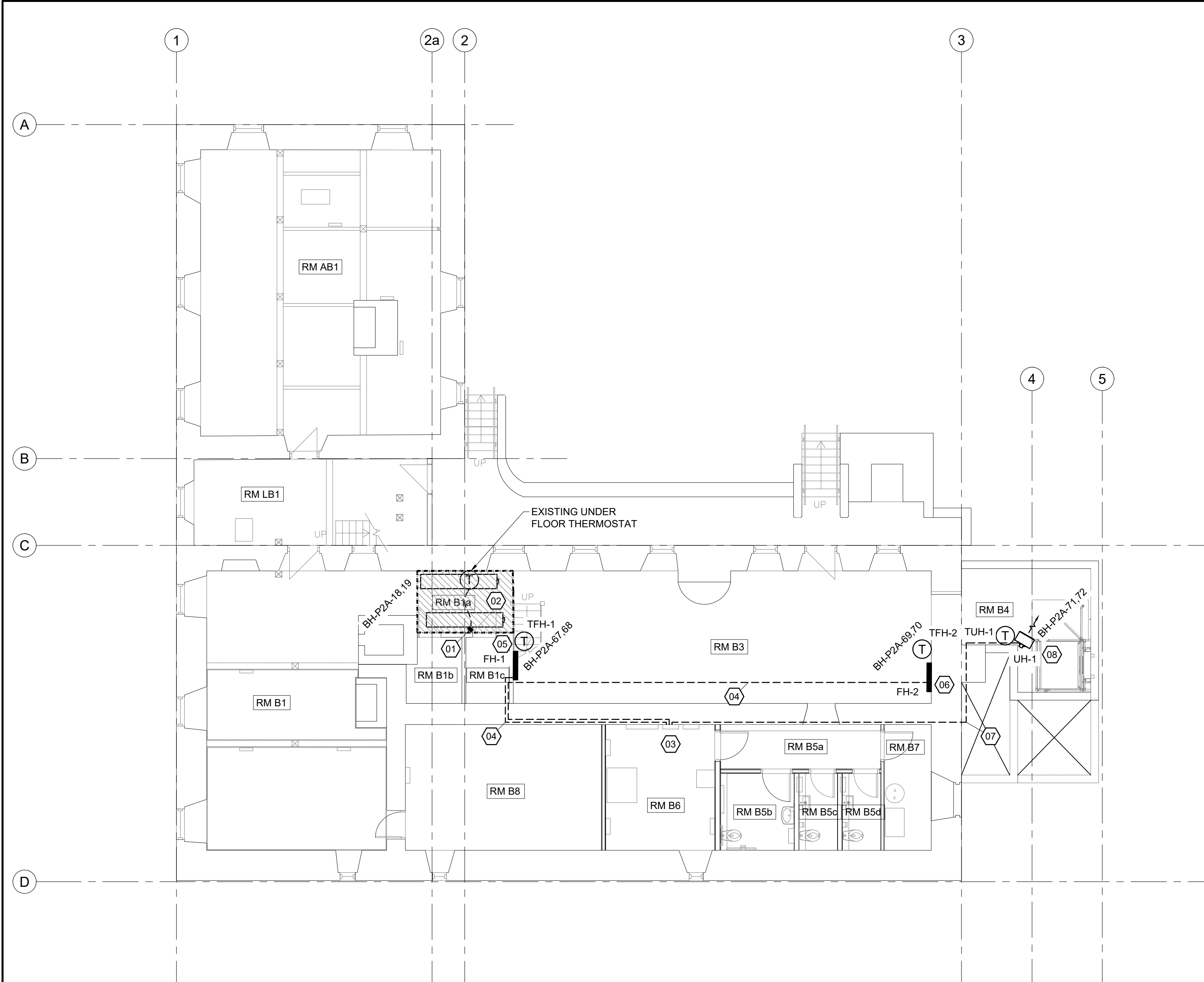
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CALGARY, AB. T2G 4X3

Project title	Projet
LOWER FORT GARRY NATIONAL HISTORIC SITE ST. ANDREWS, MB.	
REHABILITATION LFG NATIONAL HISTORIC SITE (ELECTRICAL SCOPE)	
Designed by	Conçu par
KAS	
Drawn by	Dessiné par
RTD	
Approved by	Approuvé par
LL	
Project Engineer / Manager	Administrateur de Projets / P.S.G.U.
CHRISTINE LeCLERC	
Drawing title	Titre du dessin
BIG HOUSE LIGHTING PLAN ATTIC LEVEL	
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Project No./No. du projet	Revision No./No. de la Rev.	Revision No.
5P468-21-0054	E1.3	R00

10 OF 13

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BIG HOUSE- BASEMENT FLOOR PLAN

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FIGURE E1

RADIANT CEILING PANEL SCHEDULE						
TAG	ELECTRICAL REQUIREMENTS (V)	PANEL PHYSICAL DIMENSION		WEIGHT (lbs)	WATTS	QTY
		WIDTH (mm)	LENGTH (mm)			
RP-1	208	458	2439	20.4	260	5
RP-2	208	458	2134	17.9	230	6
RP-3	208	458	915	7.7	95	1
RP-4	208	458	1829	15.3	195	16

FAN HEATER SCHEDULE						
TAG	ELECTRICAL REQUIREMENTS (V)	PANEL PHYSICAL DIMENSION		WEIGHT (lbs)	WATTS	QTY
		WIDTH (mm)	LENGTH (mm)			
FH-1	208	-	-	-	2250	1
FH-2	208	-	-	-	2250	1

UNIT HEATER SCHEDULE						
TAG	ELECTRICAL REQUIREMENTS (V)	PANEL PHYSICAL DIMENSION		WEIGHT (lbs)	WATTS	QTY
		WIDTH (mm)	LENGTH (mm)			
UH-1	208	332	305	20	2000	1

LEGEND		
ITEM	SYMBOL	REMARKS
THERMOSTAT		
AREA OF CEILING HEATING PANEL REPLACEMENT		
PANEL TYPE RP-1		
PANEL TYPE RP-2		
PANEL TYPE RP-3		
PANEL TYPE RP-4		
FAN HEATER FH-1		
UNIT HEATER UH-1		

BIG HOUSE GENERAL CONSTRUCTION NOTES - BASEMENT FLOOR:

- 01 MOVE EXISTING SENSOR FOR UNDER FLOOR THERMOSTAT TO INTERIOR WALL. (SEE FIGURE E1 FOR UNDER FLOOR SENSOR)
- 02 INSTALL NEW RADIANT CEILING HEATER PANELS IN ROOM B1a AS INDICATED ON PLAN. TEST AMPERAGE OF EACH PANEL AFTER INSTALLATION.
- 03 INSTALL TWO NEW 15A/2P BREAKERS IN PANEL BH-P2A
- 04 INSTALL NEW 2#12+BOND TECK90 WIRING FOR FLOOR MOUNTED FAN HEATER FROM PANEL BH-P2A UP ALONG CEILING IN ROOM B6, THRU INTO ROOM B8, THEN B1c. RUN DOWN INTO FLOOR AND UNDER WALL TO NEW HEATER.
- 05 INSTALL NEW FLOOR MOUNTED FAN HEATER (FH-1) AND WALL MOUNTED THERMOSTAT (TFH-1) UNDER STAIRS IN ROOM B3. REFER TO SECTIONS 23 82 00.13 & 23 82 39 IN THE SPECIFICATIONS FOR PRODUCT INFORMATION.
- 06 INSTALL NEW FLOOR MOUNTED FAN HEATER (FH-2) AND WALL MOUNTED THERMOSTAT (TFH-2) IN ROOM B3. REFER TO SECTIONS 23 82 00.13 & 23 82 39 IN THE SPECIFICATIONS FOR PRODUCT INFORMATION.
- 07 INSTALL NEW 2#12+1#14 RW90 IN 21mmØ EMT CONDUIT FOR UNIT HEATER FROM PANEL BH-P2A UP ALONG CEILING IN ROOM B6, THRU INTO ROOM B5a, B7, THEN INTO B4.
- 08 INSTALL NEW WALL MOUNTED UNIT HEATER (UH-1) AND THERMOSTAT (TUH-1) IN ROOM B4. REFER TO SECTIONS 23 82 00.13 & 23 82 39 IN THE SPECIFICATIONS FOR PRODUCT INFORMATION.

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0	ISSUED FOR 90% REVIEW	2021-11-08

RevisionDescriptionDateClient

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Project Title

Projet

LOWER FORT GARRY

NATIONAL HISTORIC SITE

ST. ANDREWS, MB.

REHABILITATION LFG

NATIONAL HISTORIC SITE

(ELECTRICAL SCOPE)

Designed by

Conçu par

KAS

Drawn by

Dessiné par

RTD

Approved by

Approuvé par

LL

Project Engineer / Manager

Administrateur de Projets / IPSGC

CHRISTINE LeCLERC

Drawing title

Titre du dessin

BIG HOUSE

HEATING PLAN

BASEMENT FLOOR

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Project No./No. du projet

Project No./No. de dessin

Revision No.

5P468-21-0054

E2.1

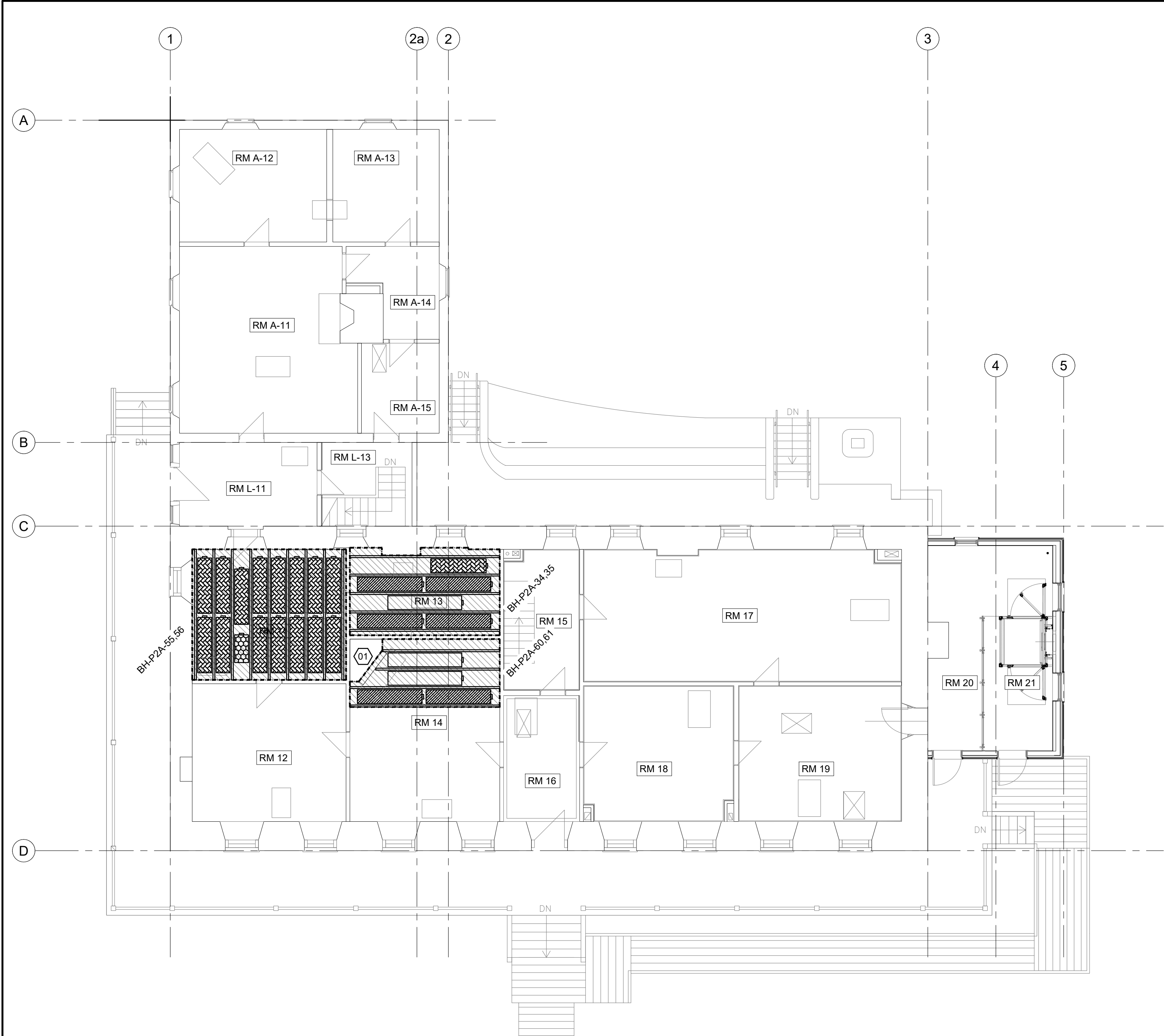
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11 OF 13

PWGSC - A1 - R41X594

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BIG HOUSE- MAIN FLOOR PLAN

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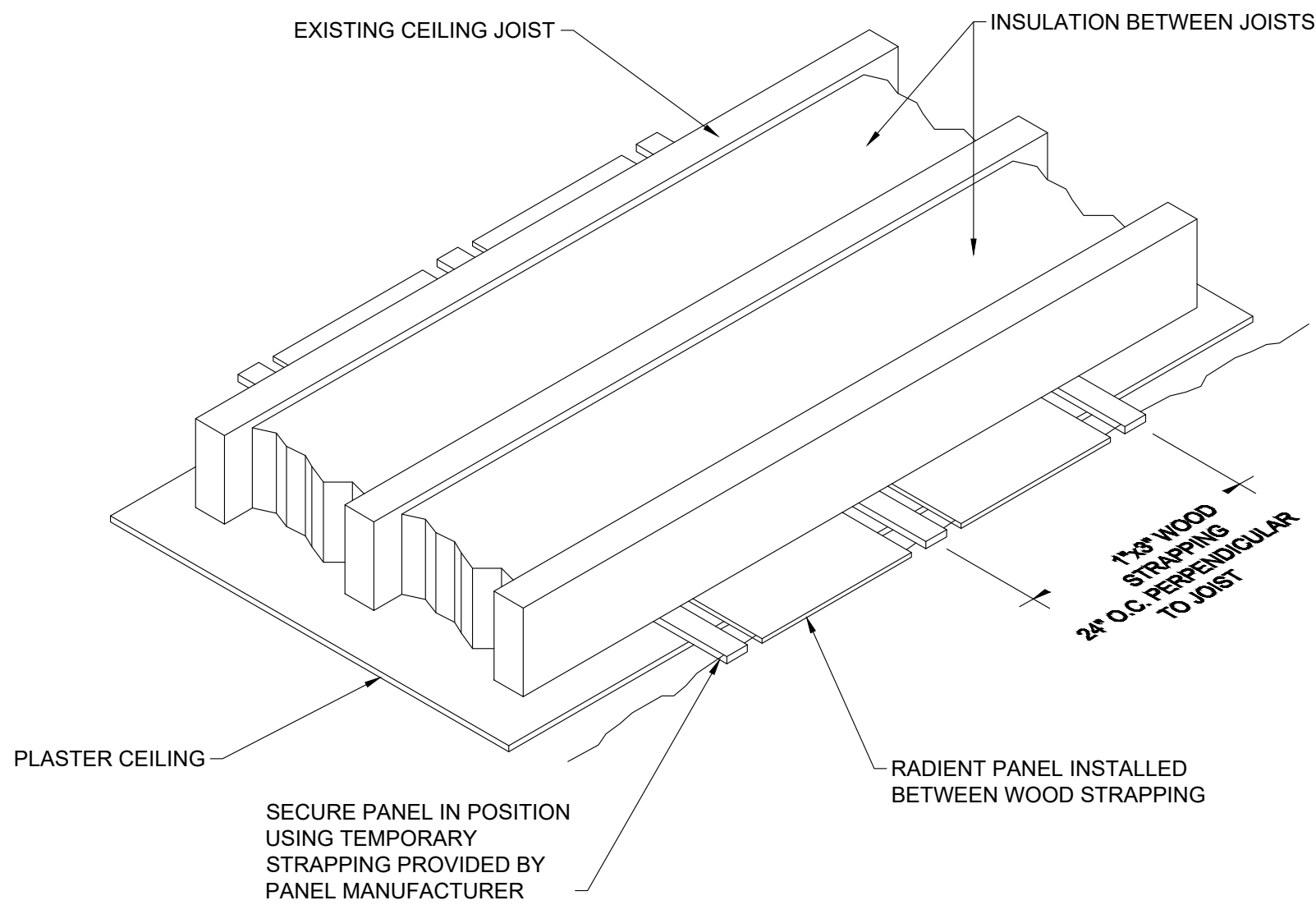
LEGEND		
ITEM	SYMBOL	REMARKS
AREA OF CEILING REPLACEMENT		RM 11, 13, 14
PANEL TYPE RP-1		
PANEL TYPE RP-2		
PANEL TYPE RP-3		
PANEL TYPE RP-4		

BIG HOUSE GENERAL CONSTRUCTION NOTES - MAIN FLOOR:

01 INSTALL NEW RADIANT CEILING HEATER PANELS IN ROOMS 11, 13, & 14 AS INDICATED ON PLAN. TEST AMPERAGE OF EACH PANEL AFTER INSTALLATION. SEE SCHEDULE ON E2.1.

BIG HOUSE GENERAL CONSTRUCTION NOTES:

SEE SPECIFICATIONS FOR PRODUCTS.



ELECTRIC RADIANT
PANEL INSTALLATION DETAIL

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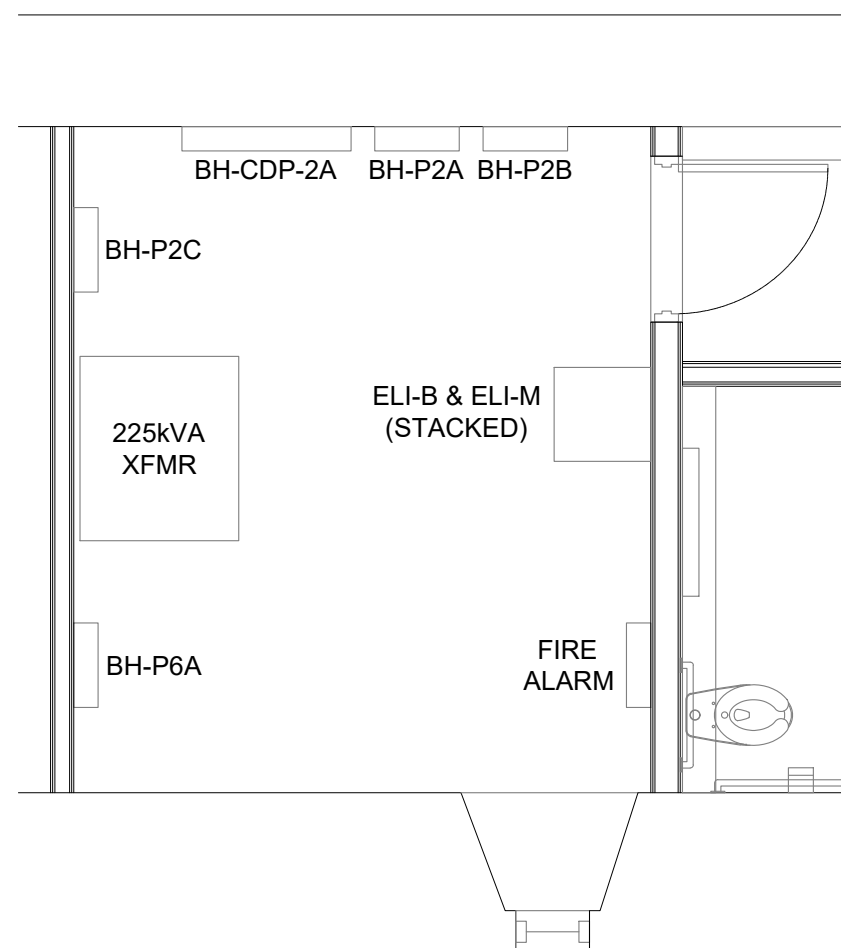
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1	ISSUED FOR 90% REVIEW RESUBMISSION	2021-12-14		
0	ISSUED FOR 90% REVIEW	2021-11-08		
Revision	Description	Date		
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Project title	Project			
LOWER FORT GARRY NATIONAL HISTORIC SITE ST. ANDREWS, MB.				
REHABILITATION LFG NATIONAL HISTORIC SITE (ELECTRICAL SCOPE)				
Designed by	Conçu par			
KAS				
Drawn by	Dessiné par			
RTD				
Approved by	Approuvé par			
LL				
Project Manager	Administrateur de Projets			
CHRISTINE LeCLERC	IPSGC			
Drawing title	Titre du dessin			
BIG HOUSE HEATING PLAN MAIN FLOOR				
Project no./No. du projet	Project no./No. du dessin	Revision no.		
5P468-21-0054	E2.2 12 OF 13	R00		

PWGSC - A1 - R41X594

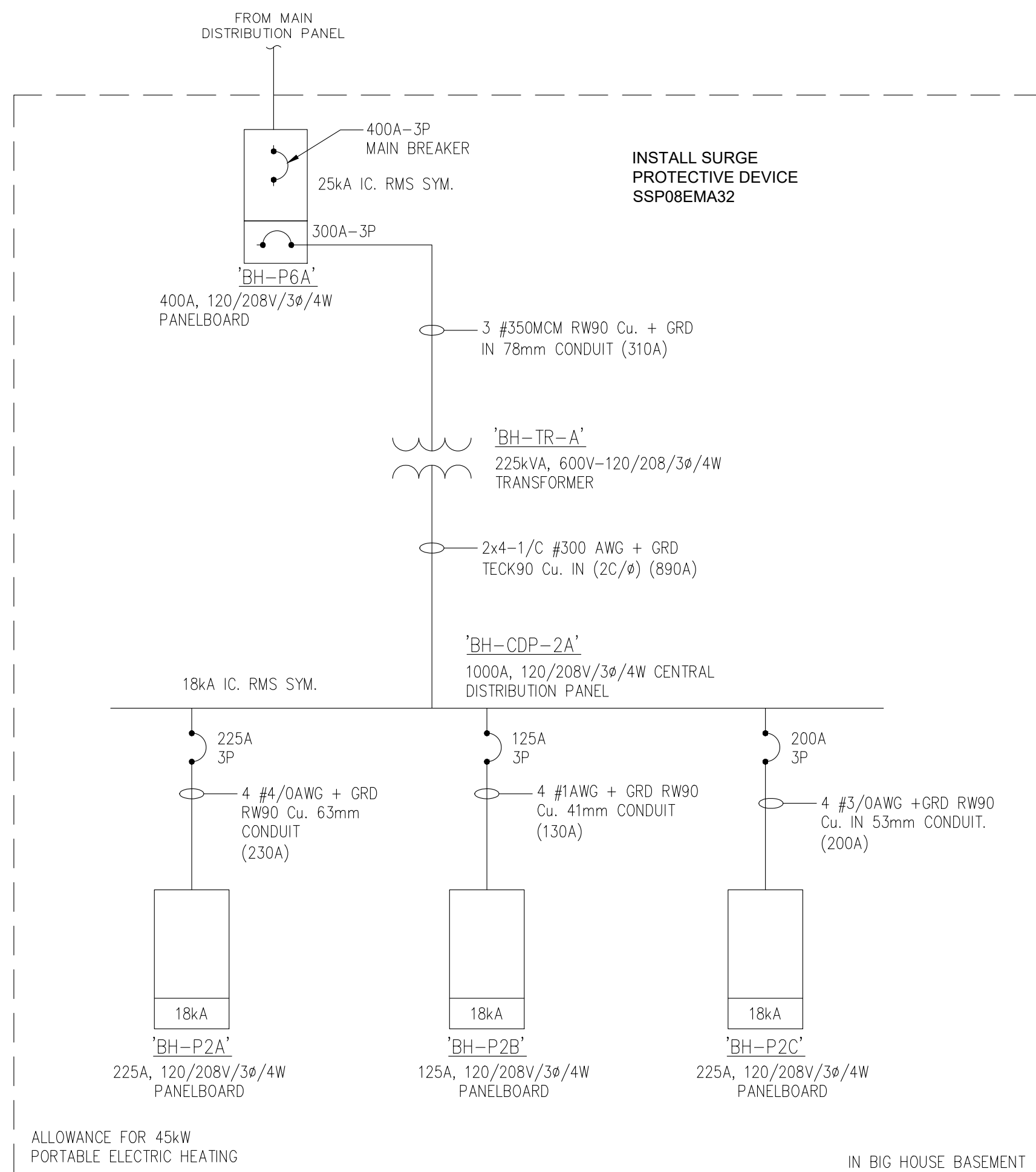
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01 PROVIDE RED LOCKING DEVICES FOR CIRCUIT BREAKERS FEEDING FIRE ALARM PANELS.



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BIG HOUSE SINGLE LINE DISTRIBUTION DIAGRAM

ITEM	LOAD (kW)	OCF	C	C	ITEM	LOAD (kW)	OCF
ECH-1		15A	1	37			
ECH-2		15A	2	38	ROOM 14 ELECTRIC HEATING		20A, 2P
ECH-3		15A	3	39			
HRV-1		20A	4	40	ROOM 18 ELECTRIC HEATING		20A, 2P
RHC-1		15A, 3P	5	41			
			6	42			
			7	43	ROOM 17 ELECTRIC HEATING		20A, 2P
SP-1		20A	8	44			
DHW-1		30A, 3P	9	45	ROOM 17 ELECTRIC HEATING		20A, 2P
			10	46			
			11	47	ROOM 19 ELECTRIC HEATING		20A, 2P
ROOM AB1 ELECTRIC HEATING		20A, 2P	12	48			
			13	49	ROOM 19 ELECTRIC HEATING		20A, 2P
ROOM AB1 ELECTRIC HEATING		20A, 2P	14	50			
			15	51	ROOM 15 + 16 ELECTRIC HEATING		20A, 2P
ROOM LB1 ELECTRIC HEATING		20A, 2P	16	52			
			17	53	ROOM L11 ELECTRIC HEATING		20A, 2P
ROOM B3 ELECTRIC HEATING		20A, 2P	18	54			
			19	55	ROOM 11 ELECTRIC HEATING		20A, 2P
ROOM B3 ELECTRIC HEATING		20A, 2P	20	56			
			21	57	ROOM 12 ELECTRIC HEATING		20A, 2P
ROOM A-12 ELECTRIC HEATING		20A, 2P	22	58			
			23	59	ROOM 14 ELECTRIC HEATING		20A, 2P
ROOM A-13 ELECTRIC HEATING		20A, 2P	24	60			
			25	61			
ROOM A-11 ELECTRIC HEATING		20A, 2P	26	62	NG-1		15A, 2P
			27	63			
ROOM A-11 ELECTRIC HEATING		20A, 2P	28	64	EF-1		15A
			29	65	SP-2		15A
ROOM A-15 + 16 ELECTRIC HEATING		20A, 2P	30	66	ROOM B3 ELECTRIC HEATING		15A
			31	67		2.25	15A, 2P
ROOM L13 ELECTRIC HEATING		20A, 2P	32	68			
			33	69	ROOM B3 ELECTRIC HEATING	2.25	15A, 2P
ROOM 13 ELECTRIC HEATING		20A, 2P	34	70			
			35	71	ROOM B4 ELECTRIC HEATING	2.00	15A, 2P
			36	72			

ITEM	LOAD (kW)	OCF	C	C	ITEM	LOAD (kW)	OCF
ROOM AB-1 RECEPTACLE		20A	1	31	LIGHTING R20, R21		15A
ROOM LB-1 RECEPTACLE		20A	2	32	LIGHTING R24		15A
ROOM B-1 RECEPTACLE		20A	3	33	LIGHTING R25		15A
ROOM B-8 RECEPTACLE		20A	4	34	LIGHTING R26		15A
BASEMENT CLOSET RECEPTACLE		20A	5	35	LTG WASHROOMS, KIT., ELEC, MECH		15A
ROOM B3 RECEPTACLE		20A	6	36	INVERTER ELI-B		15A
ROOM A12 RECEPTACLE		20A	7	37	INVERTER ELI-M		15A
ROOM A11 RECEPTACLE		20A	8	38	IAP		15A
ROOM A15 RECEPTACLE		20A	9	39	LIFT GFI		15A
ROOM A14 RECEPTACLE		20A	10	40	LIFT HEATING AND LIGHTING		20A 2P
ROOM A13 RECEPTACLE		20A	11	41			
ROOM L13 RECEPTACLE		20A	12	42	FIRE ALARM (RED + LOCKING)		15A
ROOM L11 RECEPTACLE		20A	13	43			
ROOM 11 RECEPTACLE		20A	14	44			
ROOM 12 RECEPTACLE		20A	15	45			
ROOM 14 RECEPTACLE		20A	16	46			
ROOM 13 RECEPTACLE		20A	17	47			
ROOM 17 RECEPTACLE		20A	18	48			
ROOM 18 RECEPTACLE		20A	19	49			
ROOM 19 RECEPTACLE		20A	20	50			
DOOR OPERATOR		15A	21	51			
DOOR OPERATOR		15A	22	52			
DOOR OPERATOR		15A	23	53			
LIFT		20A	24	54			
LIGHTING R1, R2		15A	25	55			
LIGHTING R3, R4, R5, R6		15A	26	56			
LIGHTING R7, 8, 9		15A	27	57			
LIGHTING R10, R11, R12, R16, R17		15A	28	58			
LIGHTING R13, R14, R15		15A	29	59			
LIGHTING R18, R19, R22, R23		15A	30	60			
NOTES:					MOUNTING: SURFACE		
PROVIDE LOCKING DEVICE FOR CIRCUITS 36, 37 AND 38					RATING: SEE SINGLE LINE DISTRIBUTION DIAGRAM		

ITEM	LOAD (kW)	OCF	C	C	ITEM	LOAD (kW)	OCF
STOVE		40A, 2P	1	31	IAP		15A
COUNTER RECEPTACLES		15A	2	32	240V HEATER ATTIC		20A, 2P
HIDDEN RECEPTACLES		20A	3	33	SPARE		15A
HIDDEN RECEPTACLES		20A	4	34	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	5	35	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	6	36	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	7	37	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	8	38	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	9	39	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	10	40	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	11	41	EBB-MH-1 (LOCKING)		20A
240V HIDDEN RECEPTACLES		20A, 2P	12	42	FIRE ALARM (RED+ LOCKING)		15A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	13	43	240V HEATER ATTIC		20A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	14	44	240V HEATER ATTIC		20A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	15	45	NG-3		15A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	16	46	HEAT TRACE CONTROLLERS (x2)		15A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	17	47	HEAT TRACE CONTROLLERS (x2)		15A, 2P
240V HIDDEN RECEPTACLES		20A, 2P	18	48	ATTIC RECEPTACLE		15A
240V HIDDEN RECEPTACLES		20A, 2P	19	49	ATTIC RECEPTACLE		15A
240V HIDDEN RECEPTACLES		20A, 2P	20	50	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	21	51	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	22	52	SPARE		15A
240V HIDDEN RECEPTACLES		20A, 2P	23	53	SPARE		15A
240V HEATER ATTIC		20A, 2P	24	54	SPARE		15A
240V HEATER ATTIC		20A, 2P	25	55	SPARE		15A
240V HEATER ATTIC		20A, 2P	26	56	SPARE		15A
240V HEATER ATTIC		20A, 2P	27	57	SPARE		15A
240V HEATER ATTIC		20A, 2P	28	58	SPARE		15A
240V HEATER ATTIC		20A, 2P	29	59	SPARE		15A
EBB-MH-1		15A	30	60	SPARE		15A
NOTES:					MOUNTING:		
PROVIDE LOCKING DEVICE FOR CIRCUITS 30 AND 31					RATING: SEE SINGLE LINE DISTRIBUTION DIAGRAM		

ITEM	LOAD (kW)	OCF	C	C	ITEM	LOAD (kW)	OCF
BASEMENT RECEPTACLE		20A	1	22	SPARE		20A
BASEMENT RECEPTACLE		20A	2	23	SECOND FLOOR RECEPTACLE		20A
BASEMENT RECEPTACLE		20A	3	24	SPARE		20A
BASEMENT RECEPTACLE		20A	4	25	SECOND FLOOR RECEPTACLE		20A
BASEMENT RECEPTACLE		20A	5	26	SECOND FLOOR RECEPTACLE		20A
FL-UH-1		30A,2P	6	27	SECOND FLOOR RECEPTACLE		20A
			7	28	SECOND FLOOR RECEPTACLE		20A
MAIN FLOOR REC'S (x4) DUPLEX		20A	8	29	SECOND FLOOR RECEPTACLE		20A
EBB-FL-1		15A	9	30	SECOND FLOOR RECEPTACLE		20A
EBB-FL-2		15A	10	31	ATTIC RECEPTACLE		20A
EBB-FL-3		15A	11	32	NG-2		15A, 2P
EBB-FL-4		15A	12	33			
MAIN FLOOR REC'S (x5) DUPLEX		20A	13	34			
		15A	14	35			
SPARE		20A	15	36			
SPARE		20A	16	37			
SPARE		20A	17	38			
SPARE		20A	18	39			
SECOND FLOOR RECEPTACLE		20A	19	40			
SPARE		20A	20	41	FIRE ALARM (RED + LOCKING)		15A
SECOND FLOOR RECEPTACLE		20A	21	42			
NOTES:					MOUNTING:		
PROVIDE LOCKING DEVICE FOR CIRCUITS 9, 10, 11, 12, 14 AND 41					RATING: SEE SINGLE LINE DISTRIBUTION DIAGRAM		



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5		
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3	TENDER READY RESUBMISSION	2022-06-30
2	TENDER READY	2022-04-30
1	ISSUED FOR 99% REVIEW RESUBMISSION	2021-12-31
0	ISSUED FOR 99% REVIEW	2021-11-30
Revision	Description	Date
Client		

220 4 AVE SE, SUITE 720
CALGARY, AB. T2G 4X3

Project title	Project
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**LOWER FORT GARRY
NATIONAL HISTORIC SITE
ST. ANDREWS, MB.**

**REHABILITATION LFG
NATIONAL HISTORIC SITE
(ELECTRICAL SCOPE)**

Designed by Conçu p

Drawn by _____ Dessiné par _____

Approved by	Approuvé par
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PWGSC Project Manager Administrateur de Projets TPS

Drawing title	Titre du dessin
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ELECTRICAL PANELS & DISTRIBUTION

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
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5P468-21-0054

E3

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