

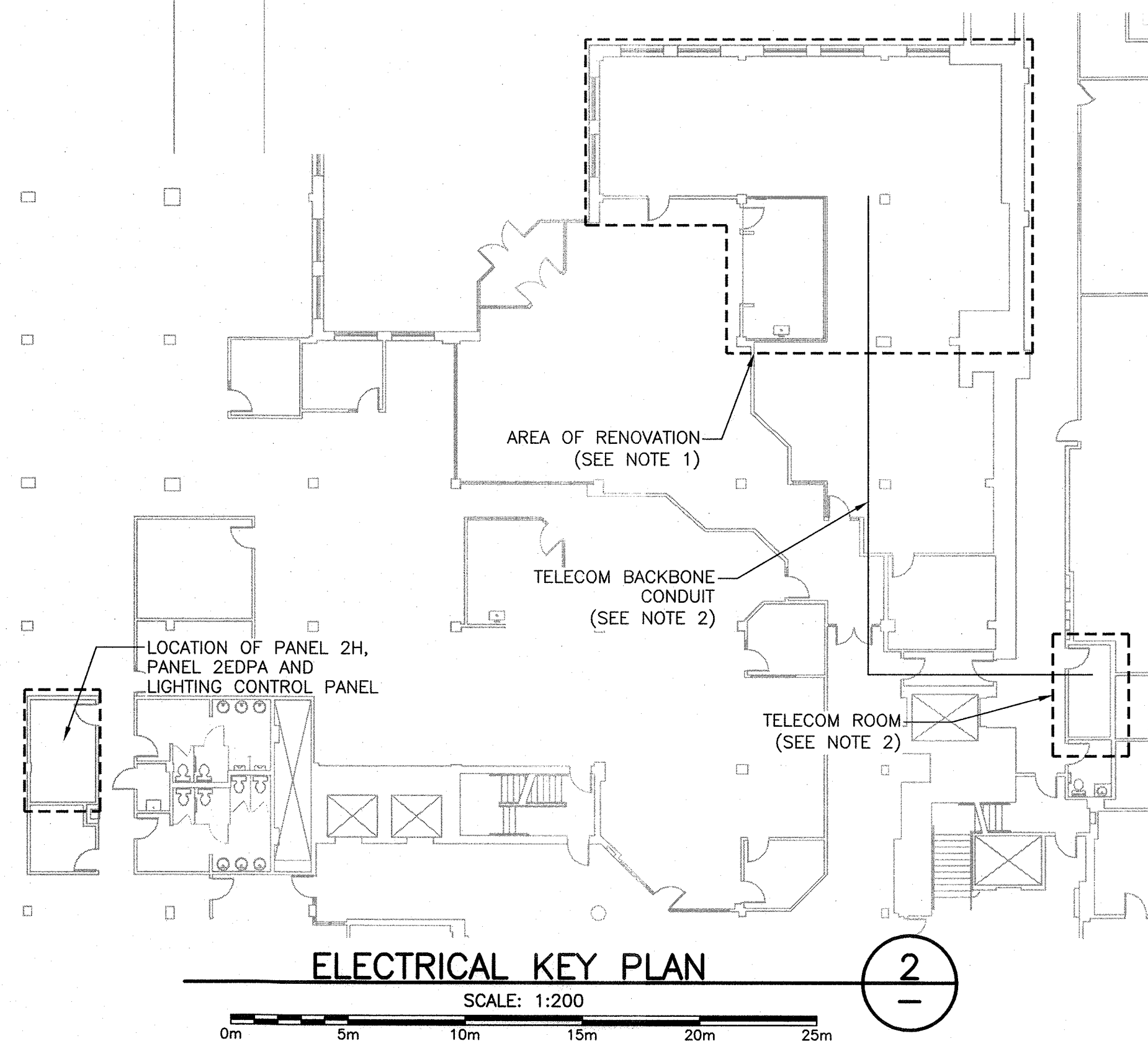
REVISED POWER AND COMMUNICATIONS 1

SCALE: 1:50

Power: 120/208 V 3 Ø 4 W									
PANEL 2J									
# OF CKTS.: 42									
INCOMING:									
SYM. I.C.: 10000 A									
MAINS: 225 A									
MAIN BKR: N/A									
LOCATION LAN ROOM 110									
Designation	CKT #	Watts	BKR	PHASE	a	b	c	BKR	Watts
EXIT SIGN	1	5	15	X				15	300
RECEPT. LAN ROOM	3	600	20	X				15	300
RECEPT. LAN ROOM	5	600	20	X				15	300
RECEPT. EDITING EQUIPMENT STORAGE ROOM	7	600	20	X				15	900
RECEPT. EDITING EQUIPMENT STORAGE ROOM	9	600	20	X				15	450
RECEPT. LAN ROOM	11	300	20	X				20	500
RECEPT. LAN ROOM	13	300	20	X				15	300
RECEPT. LAN ROOM	15	300	20	X				20	300
RECEPT. COPIER	17	500	20	X				20	300
RECEPT. FRIDGE KITCHENETTE 105	19	500	15	X				15	300
DWH-1 KITCHENETTE 105	21	1450	20	X				15	300
RECEPT. ROOM 107,108,111	23	1450	2P	X				15	300
RECEPT. EDITING ROOM 102	25	400	20	X				20	300
RECEPT. EDITING ROOM 102	27	300	15	X				15	150
RECEPT. EDITING ROOM 102	29	300	15	X				15	300
	31			X					32
	33			X					34
	35			X					36
	37			X					38
	39			X					40
	41			X					42
FEEDER:									
SOURCE:									
Remarks:									
Phase A Total 3905 W 32.5 A									
Phase B Total 4750 W 39.6 A									
Phase C Total 4850 W 40.4 A									
TOTAL 13505 W 37.5 A									

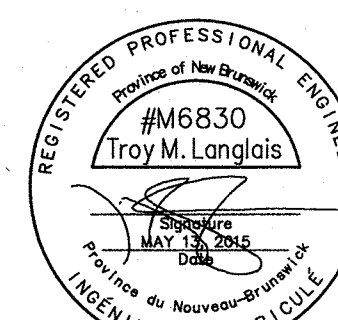
# NOTES:

1. THE AREA OF RENOVATION DENOTES THE AREA IN WHICH THE MAJORITY OF WORK WILL TAKE PLACE. WORK OUTSIDE OF THE AREA OF RENOVATION WILL BE REQUIRED FOR REMOVAL AND INSTALLATION OF ELECTRICAL/COMMUNICATION SERVICES FROM SERVICE SPACES LOCATED IN OTHER AREAS OF THE BUILDING. COORDINATE ALL WORK OUTSIDE OF THE AREA OF RENOVATION WITH THE OWNER AND AFFECTED TENANTS. REPAIR ANY DAMAGED FINISHES TO PRIOR CONDITION OR BETTER.
2. PROVIDE 53mm EMT CONDUIT C/W PULL CORD FROM EXISTING TELECOM ROOM TO AREA OF RENOVATION.
3. PROVIDE 27mm EMT CONDUIT C/W PULL CORD FROM EACH MULTI-MEDIA OUTLET TO THE A/V PRODUCTION RACK.
4. PROVIDE 78mm CONDUIT C/W PULL STRING FROM SHARED EQUIPMENT AREA THROUGH TELECOM ROOM FOR ALL TELECOM CABLES. CONDUIT IS TO TURN DOWN WALL AND TURN HORIZONTALLY TOWARDS EQUIPMENT. PROVIDE INSULATED NYLON BUSHINGS ON BOTH ENDS OF CONDUIT.
5. PROVIDE 27mm (MINIMUM) CONDUIT STUBS C/W PULL STRINGS AND INSULATED NYLON BUSHINGS THROUGH FULL HEIGHT PARTITIONS TO ROUTE COMMUNICATIONS CABLES TOWARDS TELECOM ROOM ABOVE ACCESSIBLE CEILINGS.
6. EXTEND EXISTING FEEDERS FROM REMOVED PANEL IN ORDER TO FEED PANEL 2J.
7. PROVIDE CONTROL WIRING FROM THE LOCAL BUILDING CONTROL SYSTEM THERMOSTAT.
8. PROVIDE 3 NEW 15A, 2P BREAKERS IN PANEL 2H TO FEED HP-A-133, HP-A-134 AND HP-A-135. PANEL 2H IS A 225A, 120/208V, ITE NLAB PANELBOARD WITH 10KAIC BREAKERS. IC RATING OF NEW BREAKERS TO MATCH EXISTING.
9. HP-A-133 WAS PREVIOUSLY FED FROM PANEL 2J. IT IS TO BE RE-FED FROM PANEL 2H.
10. PROVIDE TWO (2) NEW 20A, 1P BREAKERS IN EXISTING 347/600V PANEL 2EDPA IN ELECTRICAL ROOM FOR NEW HEATERS. ONE BREAKER IS TO FEED THE HEATERS IN OPEN AREA 108 AND THE OTHER IS TO FEED THE HEATERS IN ROOMS 104, 105, 106 AND 107. PANEL 2EDPA IS A 225A, 600/347V, SIEMENS CDP7 SERIES PANELBOARD WITH 10KAIC BREAKERS. IC RATING OF NEW BREAKERS TO MATCH EXISTING. HEATERS WILL BE CONTROLLED VIA THE BUILDING MANAGEMENT SYSTEM.
11. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE SEPARATIONS. ALL RACEWAYS WHICH CROSS FIRE SEPARATIONS ARE TO BE FIRESTOPPED.
12. GROUND NEW TELECOM EQUIPMENT TO A NEW GROUND BUS IN TELECOM ROOM. PROVIDE A #6AWG INSULATED GREEN GROUNDING CONDUCTOR FROM NEW GROUND BUS TO EXISTING GROUND BUS IN ELECTRICAL ROOM INDICATED ON DETAIL 2.
13. PROVIDE 100mm TECHNOLOGY J-HOOK PATHWAYS TO AND FROM THE WALL SLEEVE LOCATIONS SHOWN AND TO THE PROJECTOR IN THE VIEWING ROOM 103. COORDINATE EXACT LOCATION OF PATHWAYS AND PROJECTOR WITH AV CABLING/EQUIPMENT INSTALLER.
14. PROVIDE TWO (2) 78mm 2-HOUR FIRE RATED SLEEVES THROUGH WALL TO ROUTE AV CABLES ABOVE ACCESSIBLE CEILINGS.
15. PROVIDE TWO (2) 78mm CONDUIT STUBS THROUGH WALL C/W PULL STRING AND INSULATED NYLON BUSHINGS TO ROUTE AV CABLES ABOVE ACCESSIBLE CEILINGS.
16. PROVIDE TWO (2) 300x300x100 PULL BOXES EACH WITH TWO (2) 78mm CONDUIT STUBS THROUGH WALL TO ROOMS 102 AND 103. INSTALL BOXES WITH STAINLESS STEEL COVERS AT 450mm ABOVE FINISHED FLOOR.



ELECTRICAL KEY PLAN 2

SCALE: 1:200



0	ISSUED FOR TENDER	05/13/2015
revisions		date

project

NATIONAL FILM BOARD  
NEW OFFICE FIT-UP  
1081 MAIN STREET  
MONCTON, NB

drawing

ELECTRICAL  
REVISED POWER  
AND COMMUNICATIONS

designed MRM

date Nov. 25, 2014

drawn ARJ

date Nov. 25, 2014

approved

date

Tender

PWGSC Project Manager

project number

R.064333.001

drawing no.

E1.1