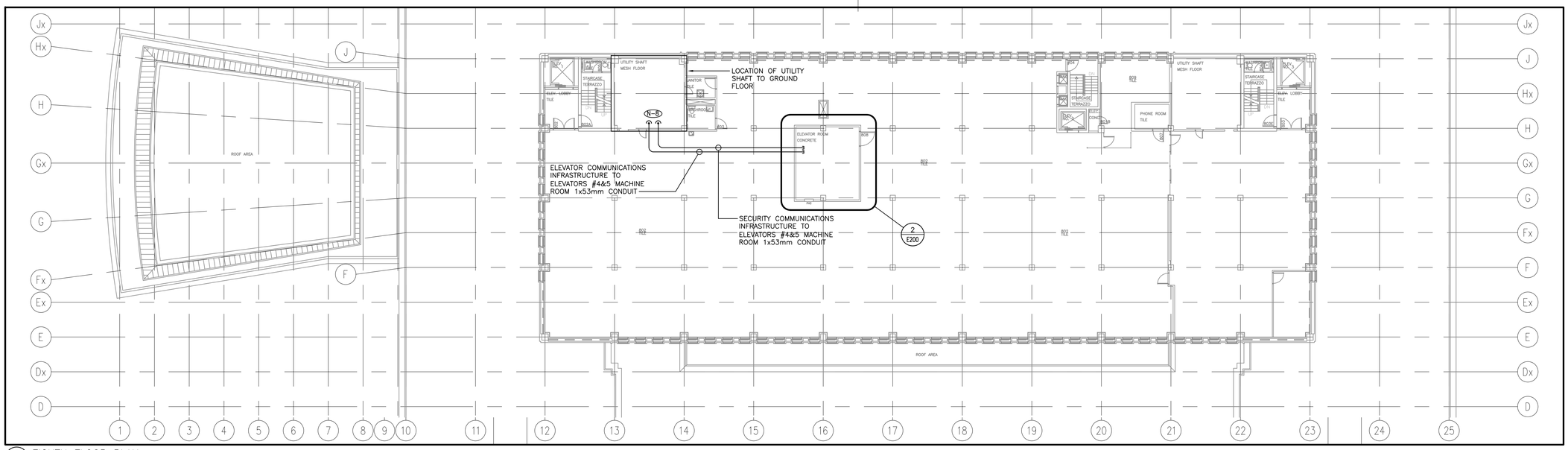
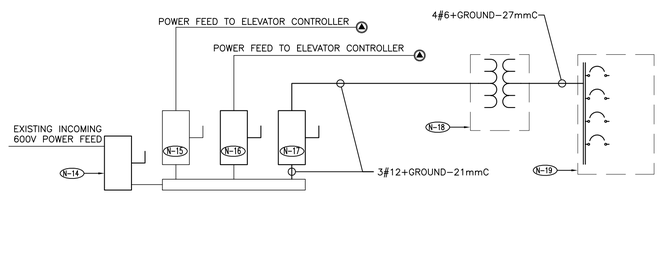


1 E200 EIGHTH FLOOR PLAN
1:200



DETAIL NOTES:

N-14 EXISTING 600V, 200A MAIN DISCONNECT TO BE REMOVED AND REPLACED WITH NEW 3ø, 3W, 600V, 200A, 200A FUSED DISCONNECT SWITCH.

N-15 EXISTING 600V, 100A DISCONNECT SWITCH FOR ELEVATOR C TO REMAIN. REPLACE FUSES WITH 70A TIME DELAY FUSES.

N-16 EXISTING 600V, 100A DISCONNECT FOR ELEVATOR D TO BE REMOVED AND REPLACED WITH NEW 3ø, 3W, 600V, 100A, 70A TIME DELAY FUSED DISCONNECT SWITCH.

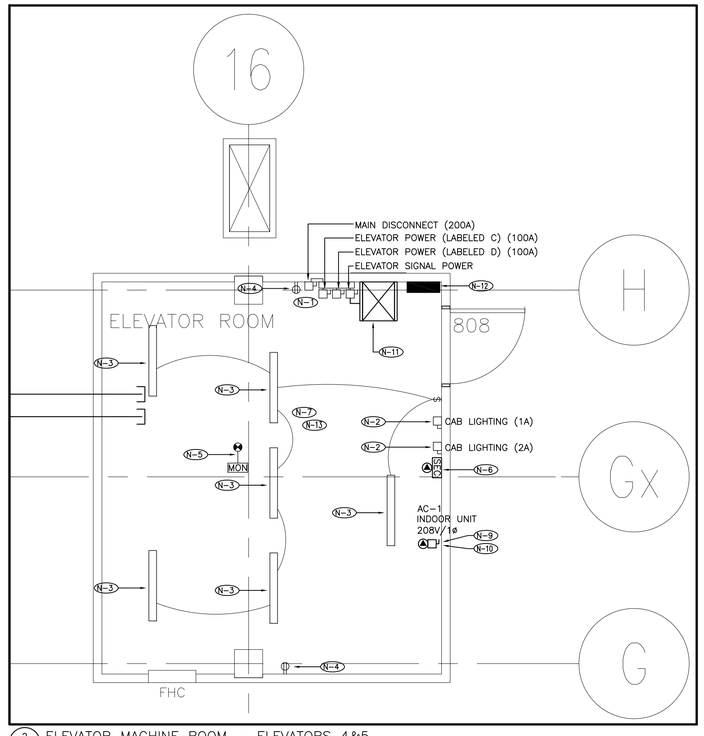
N-17 EXISTING 600V DISCONNECT TO BE REMOVED COMPLETE WITH DOWNSTREAM 10kVA, 1ø, 120/240V TRANSFORMER AND ALL ASSOCIATED CONDUIT AND WIRING. DISCONNECT SWITCH TO BE REPLACED WITH NEW 600V, 20A, 20A FUSED, 3ø, 3W DISCONNECT SWITCH TO FEED NEW 120/208V TRANSFORMER.

N-18 PROVIDE NEW 15kVA, 600-120/208V, 3ø, 4W TRANSFORMER "TX-8XA" IN LOCATION SHOWN IN DETAIL 2 ON DRAWING E200. ALL NEW WIRING IS TO BE SIZED AS SHOWN.

N-19 PROVIDE NEW 100A, 120/208V, 3ø, 4W, 24 CIRCUIT PANELBOARD "RP-8XA" IN LOCATION SHOWN IN DETAIL 2 ON DRAWING E200. ALL NEW WIRING IS TO BE SIZED AS SHOWN.

GENERAL NOTES:

ELECTRICAL CONTRACTOR IS TO UPDATE THE BASE BUILDING SINGLE LINE DIAGRAM WITH ALL NEW ELECTRICAL DISTRIBUTION EQUIPMENT. COORDINATE THIS WORK WITH SNC LAVALIN OPERATIONS AND MAINTENANCE PERSONNEL.



4 E200 RESERVED

3 E200 PASSENGER ELEVATOR POWER DISTRIBUTION SINGLE LINE

2 E200 ELEVATOR MACHINE ROOM - ELEVATORS 4&5
1:50

DRAWING NOTES:

N-1 REFER TO DETAIL 3 ON DRAWING E200 FOR 600V POWER DISTRIBUTION WORK.

N-2 EXISTING 120V CAB LIGHTING DISCONNECTS LABELED 1A AND 2A TO BE REMOVED COMPLETE WITH CONDUIT AND WIRING BACK TO SOURCE. PROVIDE TWO NEW 120V, 15A, 1ø DISCONNECT SWITCHES COMPLETE WITH APPROPRIATE LABELING IN SAME LOCATION CIRCUITED FROM NEW 15A BREAKERS IN NEW PANEL RP-8XA.

N-3 EXISTING 120V FLUORESCENT FIXTURE TO REMAIN. PROVIDE NEW WIRE GUARD TO MATCH EXISTING FIXTURE. EXISTING FIXTURE IS LITHONIA 2x32W T8 ELECTRONIC BALLAST STRIP FIXTURE.

N-4 EXISTING 120V DUPLEX RECEPTACLE TO BE REMOVED COMPLETE WITH CONDUIT AND WIRING BACK TO SOURCE. PROVIDE NEW GFCI TYPE 120V, 15A DUPLEX RECEPTACLE CIRCUITED FROM NEW 15A BREAKER IN NEW PANEL RP-8XA.

N-5 EXISTING FIRE DETECTOR COMPLETE WITH MODULE TO REMAIN.

N-6 PROVIDE INFRASTRUCTURE FOR SECURITY PANEL IN LOCATION SHOWN FROM MAIN BUILDING SECURITY PANEL LOCATED BEHIND THE SECURITY DESK ON THE GROUND FLOOR TO FACILITATE CARD READER ACCESS IN ELEVATOR. PROVIDE NEW 15A CIRCUIT FROM NEW PANEL RP-8XA COMPLETE WITH DIRECT CONNECTION. COORDINATE EXACT REQUIREMENTS WITH SECURITY CONTRACTOR.

N-7 PROVIDE FIRE ALARM CONNECTION TO NEW ELEVATOR CONTROLLER WITHIN ELEVATOR MACHINE ROOM FOR PHASE 1 AND PHASE 2 RECALL.

N-8 ELEVATOR SECURITY AND COMMUNICATIONS INFRASTRUCTURE UP FROM GROUND FLOOR SECURITY OFFICE. REFER TO DRAWING E100 FOR DETAILS.

N-9 PROVIDE ELECTRICAL CONNECTION TO OUTDOOR UNIT OF AIR CONDITIONING SYSTEM AC-1 COMPLETE WITH LOCAL WEATHERPROOF DISCONNECT. PROVIDE 2#10+GROUND IN 21mmC FROM NEW 40A, 2P BREAKER IN NEW PANEL RP-8XA. OUTDOOR UNIT IS LOCATED ON ROOF DIRECTLY ABOVE INDOOR UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.

N-10 PROVIDE SUB-FED ELECTRICAL CONNECTION TO INDOOR UNIT OF AC-1 FROM OUTDOOR UNIT COMPLETE WITH LOCAL HORSEPOWER RATED SWITCH. PROVIDE 3#12+GROUND IN 21mmC FROM OUTDOOR UNIT. CONDUIT ROUTING TO FOLLOW MECHANICAL PIPING. COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL WALL PENETRATIONS.

N-11 PROVIDE NEW 15kVA, 600-120/208V, 3ø, 4W TRANSFORMER "TX-8XA" IN LOCATION SHOWN. CONNECT PRIMARY TO NEW DISCONNECT PREVIOUSLY LABELED FOR SIGNAL POWER. PROVIDE 20A FUSES IN NEW DISCONNECT SWITCH.

N-12 PROVIDE NEW 100A, 120/208V, 3ø, 4W, 24 CIRCUIT PANELBOARD "RP-8XA" IN LOCATION SHOWN. NEW PANEL TO BE FED FROM SECONDARY OF NEW TRANSFORMER TX-8XA.

N-13 PROVIDE TWO NEW PAIRS OF SIGNAL WIRE IN CONDUIT FROM AUTOMATIC TRANSFER SWITCH #2 LOCATED WITHIN EMERGENCY SWITCHBOARD #2 TO NEW ELEVATOR CONTROLLERS. ONE PAIR OF SIGNAL WIRES FOR PRE-TRANSFER AND ONE PAIR FOR SWITCH STATUS.

LICENSED PROFESSIONAL ENGINEER
A.M. DROUIN
100129785
2013.08.21
PROVINCE OF ONTARIO
08032 0054

PWGSC A1 (841x594)

0 10 20mm 40 60 80 100 120 140 160 180 200mm

Publics Works and Government Services Canada / Travaux publics et services gouvernementaux Canada

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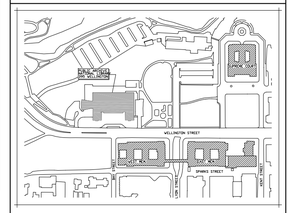

KEY PLAN
PLAN-REPÈRE

Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

5	ISSUED FOR TENDER	APR. 04 2013
4	ISSUED FOR 100% SUBMISSION	MAR. 01 2013
3	ISSUED FOR 99% SUBMISSION	JAN. 31 2013
2	ISSUED FOR 66% SUBMISSION	OCT. 02 2012
1	ISSUED FOR 33% SUBMISSION	AUG. 27 2012
revisions	description	date

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

project / projet

PUBLIC ARCHIVES NATIONAL LIBRARY
ELEVATOR MODERNIZATION

395 WELLINGTON STREET

drawing / dessin

EIGHTH FLOOR ELECTRICAL LAYOUT

Designed By	T.HUGHES	Conçu par
Date	AUGUST 2012	(yyyy/mm/dd)
Drawn By	T.HUGHES	Dessiné par
Date	AUGUST 2012	(yyyy/mm/dd)
Reviewed By	A.DROUIN	Examiné par
Date	AUGUST 2012	(yyyy/mm/dd)
Approved By	A.DROUIN	Approuvé par
Date	AUGUST 2012	(yyyy/mm/dd)
Tender		Soumission
Project Manager	MARC SAUCIER	Administrateur de projets

Project no. / No. du projet: R042454.002

Drawing no. / No. du dessin: E200