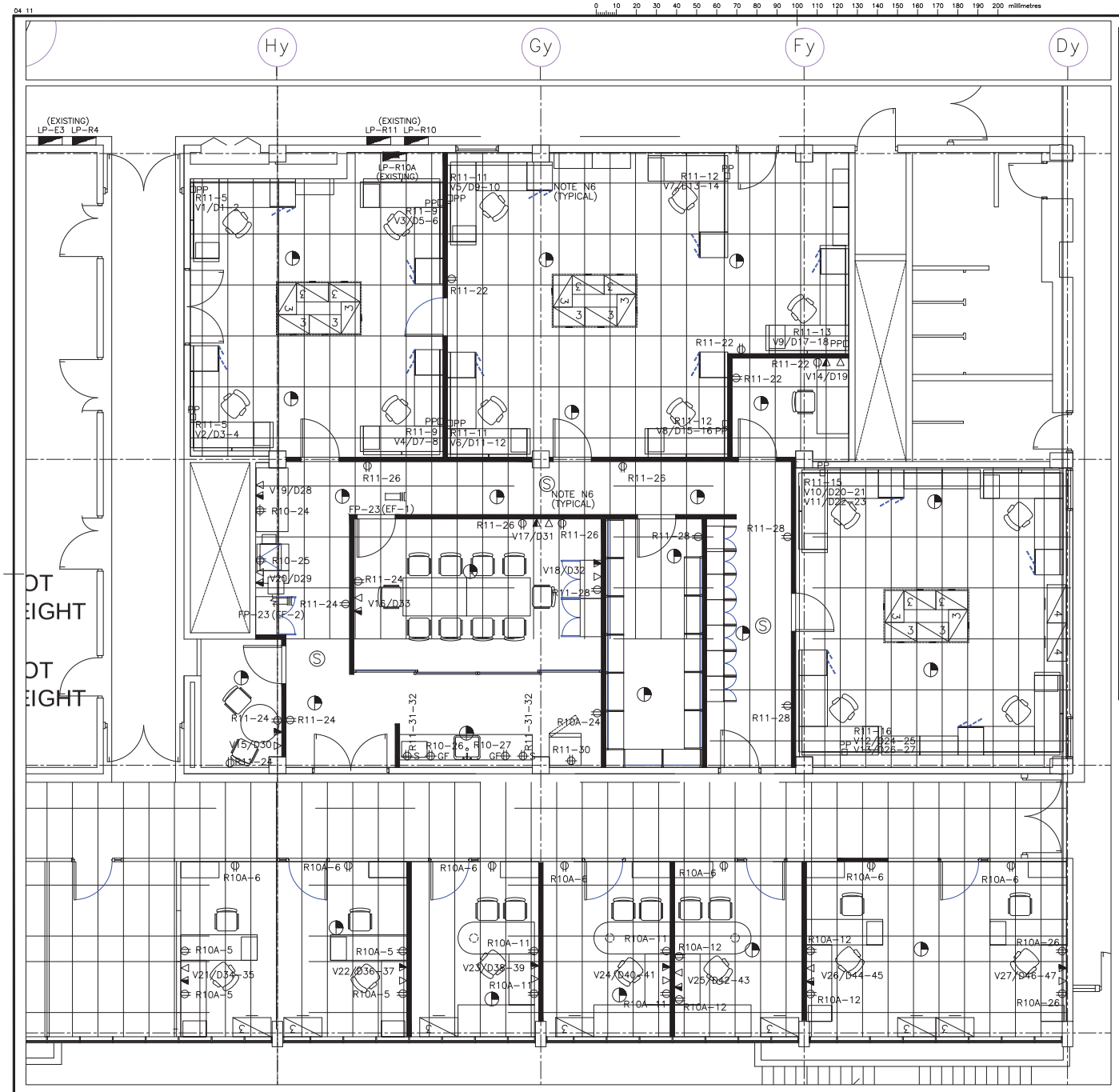

1 E-3 NEW WORK–ELECTRICAL
SCALE: N.T.S.

NOTES – NEW POWER AND AUXILLIARY PLAN:

N1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE INTERIOR DESIGNER'S DRAWINGS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND OTHER RELATED DEMOLITION WORKS AND NEW CONSTRUCTION.

N2. THE CIRCUITING SHOWN OR NOTED IN PART IS DIAGRAMMATIC INTENDED TO ILLUSTRATE GENERAL POWER CIRCUIT ASSIGNMENT AND ARRANGEMENT CORRESPONDING TO PANELBOARD DESIGNATION. THE CIRCUIT LOADING IN GENERAL ARE BASED ON MAXIMUM BOX OF THE PROTECTIVE DEVICE RATING FEEDING THE CONNECTED LOAD OF EACH CIRCUIT SHOWN. IT IS CONTRACTORS RESPONSIBILITY TO DETERMINE IF OTHER EXISTING LOADS ARE FED ON THE SAME CIRCUIT SHOWN AS ALL CIRCUITS NOTED ON NEW PLAN ARE ASSUMED TO BE "NEW" OR "AVAILABLE SPARE" AFTER DEMOLITION OR REMOVAL WORKS. UPDATE PANEL LOAD SCHEDULE ACCORDINGLY.

N3. ELECTRICAL CONTRACTOR TO IDENTIFY AND REUSE EXISTING CIRCUITS AS NOTED AND WILL BE CONSIDERED TO BE FEEDING A GROUP OR SET OF RECEPTACLES AND POWER LOADS AS ASSIGNED. ALL THE CIRCUIT NUMBERS ASSIGNED ARE ASSUMED TO BE A "SPARE" BRANCH CIRCUIT BASED ON INSPECTIONS AND INVENTORY OF ALL AVAILABLE CIRCUITS AFTER REMOVAL AND DEMOLITION WORKS. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO DETERMINE ALL AVAILABLE EXISTING BRANCH CIRCUITS.

N4. EACH NEW POWER BRANCH CIRCUIT SHOULD HAVE A RATING OF 15 AMPERES,1–POLE BRANCH BREAKER EXCEPT FOR THE FOLLOWING LOADS:
**PRINTER/COPIER EQUIPMENT: 20 AMPERE, 1–POLE
**KITCHEN COUNTERTOP EQUIPMENT: 20 AMPERE, 1–POLE
**SPECIAL GFI OUTLETS: 20 AMPERE, 1–POLE

N5. ALL NEW RECEPTACLES AND POWER LOAD CIRCUITS WILL BE FED FROM EXISTING PANELS IDENTIFIED AS 'LP–R10', 'LP–R11', AND 'LP–10A'. THE PANELS ARE ALL RATED 120/208 VOLT SYSTEM. CIRCUIT NUMBERS SHOWN MAY DIFFER FROM THE ACTUAL CIRCUIT NUMBERS AVAILABLE PER FINAL INVENTORY OF ALL AVAILABLE SPARE BRANCH BREAKERS AFTER DEMOLITION WORKS.

N6. ELECTRICAL CONTRACTOR TO PROVIDE NEW FIRE ALARM (F/A) SPEAKERS INDICATED INCLUDING NEW CABLING AND RELATED HARDWARE. ADDITIONS & MODIFICATIONS TO EXISTING F/A SYSTEM INCLUDING THE RELOCATION OF EXISTING F/A HEAT OR SMOKE DTECTORS TO BE COMPLETED/INSTALLED BY BASE BUILDING F/A CONTRACTOR OR SERVICE PROVIDER. ALLOW FOR PROGRAMMING, TESTING AND VERIFICATION. THE CONTRACTOR TO CARRY/INCLUDE ALL ASSOCIATED COSTS RELATED TO THE F/A SYSTEM SCOPE OF WORK.

N7. ELECTRICAL CONTRACTOR TO PROVIDE ALL ROUGH–IN FOR TELECOM AND OR VOICE/DATA SYSTEMS SHOWN AND TO INCLUDE INSTALLATION, WIRING, TERMINATIONS AND TESTING/VERIFICATION OF THE COMPLETE TELECOM/IT SYSTEMS. THE ELECTRICAL CONTRACTOR TO CARRY ALL THE ASSOCIATED COSTS RELATED TO NEW INSTALLATION OF COMPLETE SYSTEM COMPATIBLE WITH THE EXISTING BASE BUILDING. UNLESS NOTED OTHERWISE, EACH WORKSTATION REQUIRES 1–VOICE OUTLET AND TWO DATA OUTLETS.

N8. ELECTRICAL CONTRACTOR TO COORDINATE ON–SITE WITH MECHANICAL CONTRACTOR IN REGARD TO WALL MOUNTED SPEED CONTROL SWITCH FOR EXHAUST FANS. POWER SUPPLIED FROM PANEL FP, CIRCUIT #23 LOCATED IN MECHANICAL ROOM. SWITCH SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL.

N9. PROVIDE NEW POWER AND DATA OUTLETS IN ROOM R–259. CONNECT EACH TO AVAILABLE/SPARE POWER CIRCUITS AS FOLLOWS:
15A, 1–POLE BRANCH FOR FRIDGE APPLIANCE.
20A, 1–POLE FOR PRINTER/COPIER.
20A, 1–POLE FOR GFI TYPE OUTLETS.
UTILIZE NEAREST EXISTING POWER AND OR LIGHTING PANEL TO FEED NEW LOADS. SEE/REFER TO DRAWING A–08 FOR ROOM LAYOUT.

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REGISTERED PROFESSIONAL ENGINEER
S. KOCHAR
APRIL 24,2013
PROVINCE OF ONTARIO

04		
03		
02	ME FANS RELOCATED	07–09–13
01	FA Detector Adjust	06–13–13
revision		date

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A/BC
A Detail No. No. du détail
B drawing no. – where detail required dessin no. – où détail exigé
C drawing no. – where detailed dessin no. – où détaillé

project title / titre du projet
BURLINGTON ONTARIO
C.C.I.W. FISHERIES PROTECTION PROGRAM
867 LAKESHORE ROAD

RENOVATIONS

drawing title / titre du dessin
PART PLAN – SECOND FLOOR
NEW LAYOUT
POWER & AUXILLIARY

ELECTRICAL

drawn by / dessine par: A.B.
designed by / conc par: AMB
approved by / approuve par: S.K.
bid / offre: N.G.B.
project manager / administrateur de projets
project date / date du projet: 2013–04–24
project no. / no. du projet: R.063337.001
drawing no. / dessine no.: E–3

GSC–A1 DATE PLOTTED: YYYY–MM–DD PLOT SCALE: 1:? CAD FILE: