

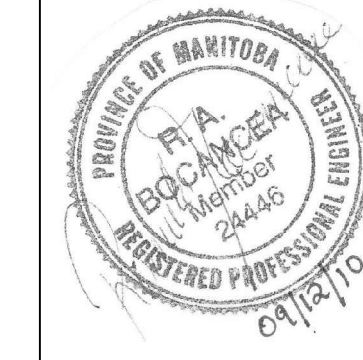
**1 PARTIAL MAIN FLOOR PLAN - NEW POWER AND SYSTEMS PLAN**  
 E1 | E1 SCALE: 1/8"=1'-0"

DRAWING NOTES:	
1.	EACH WORKSTATION IS TO HAVE 3 DUPLEX RECEPTACLES EACH ON A SEPARATE CIRCUIT, AND 10-CAT 6 CABLES TO THE LAN ROOM.
2.	SUPPLY NEW FIRE ALARM DEVICES IN THE AREA AS SHOWN. CONNECT TO EXISTING ZONE WIRING. ENSURE ALL FIRE ALARM EQUIPMENT IS VERIFIED AND COMPLETELY OPERATIONAL.
3.	ENSURE ALL WIRING SUPPLYING POWER TO OTHER AREAS IS MAINTAINED THROUGHOUT THE PROJECT.
4.	PROVIDE CONNECTIONS TO ALL MECHANICAL EQUIPMENT SHOWN, INCLUDING THERMOSTATS, ROOM SENSORS, ETC. SUPPLY A TRANSFORMER FOR EACH MOTORIZED DAMPER IF REQUIRED. CONTACT CITY OF WINNIPEG CENTRAL CONTROLS 986-2351 TO COORDINATE ANY WORK ON THE EXISTING SYSTEM.
5.	ALL WIRING EXCEPT FOR MECHANICAL EQUIPMENT SHALL BE CONNECTED WITH SEPARATE NEUTRAL CONDUCTORS FOR EACH CIRCUIT.
6.	COMMUNICATION SYSTEM REQUIREMENTS: THE CONTRACTOR IS TO PROVIDE ALL CONDUIT, CABLE TRAY (CABLOFIL-BASKET STYLE), CAT 6 CABLING, CONNECTORS AND FACEPLATES FROM THE OUTLET TO THE PATCH PANEL IN THE LAN ROOM. THE CONTRACTOR WILL TERMINATE THE CABLE AT THE PATCH PANEL ON CITY SUPPLIED CABLE CONNECTORS. CONTRACTOR IS REQUIRED TO TEST ALL CABLING TERMINATIONS AND SUBMIT TEST REPORT TO THE CONTRACT ADMINISTRATOR AND CITY OF WINNIPEG.
7.	CONTRACTOR IS TO PROVIDE ALL PACE POLES, POLE TO BE WIREMOLD VISTA SERIES. SIZE TO SUIT EACH WORKSTATION FEED. UNIT TO BE TOP FEED WITH SEPARATE POWER AND COMMUNICATION SECTIONS. COLOUR TO BE SILVER, CONFIRM WITH ARCHITECT PRIOR TO ORDERING. UNIT TO BE COMPLETE WITH 10 DATA OUTLET BOX ATTACHED FOR CABLE CONNECTIONS.
8.	REFER TO ARCHITECTURAL DRAWINGS FOR LIMITS OF DESIGNATED WORK AREA
9.	CONFIRM ALL LABELLING FORMAT WITH THE CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION

KEY NOTES:	
1	PROVIDE A JUNCTION BOX WITH CCT EU-41, FOR CONNECTION TO LARGE SCREEN MONITORS. ALLOW FOR A RUN OF 25' OF CABLING FOR EACH MONITOR, TOTAL QUANTITY IS 4.
2	PROVIDE CABLE TRAY AND SMOOTH TRANSITIONS FOR EACH OF THE 4 RACKS IN THE LAN ROOM. GROUND CABLE TRAY TO BUILDING GROUND AND FOR THE FULL LENGTH OF ALL RUNS. CENTER HANG TRAY WITH APPROVED FITTINGS AND 3/8" PLATED ROD.
3	PROVIDE A 20' COIL OF 4-CAT 6 CABLES FOR FUTURE CONNECTION TO LARGE SCREEN MONITORS.
4	PROVIDE NEW FIRE ALARM DEVICES AS SHOWN. UTILIZE EXISTING ZONE WIRING WHERE POSSIBLE. PROVIDE ALL NEW REQUIRED WIRING IN EMT CONDUIT. ALLOW FOR A NEW POWER SUPPLY TO POWER THE FIRE ALARM STROBE UNITS SHOWN. CONTRACTOR IS TO PROVIDE A COMPLETE ULIC VERIFICATION UPON COMPLETION. FIRE ALARM SUPPLIER TO BE MIRCOC BY FIRE TECH SYSTEMS OR CONTRACT ADMINISTRATOR APPROVED EQUIVALENT.
5	EXISTING PANELS TO REMAIN. CONTRACTOR TO FEED NEW TRANSFORMER FROM PANEL 500. PROVIDE ALL NEEDED MODIFICATIONS IN THE EXISTING SERVICE COMPARTMENTS AS NECESSARY. REF. SINGLE LINE DIAGRAM.
6	WIRE AND CONNECT EMERGENCY POWER OFF BUTTON TO UPS. PROVIDE BUTTON AND LEXAN TAMPER PROOF COVER.
7	REVISE POWER TO THE FIRE ALARM PANEL TO BE FED FROM NEW PANEL EU.
8	PROVIDE 3- CAT 6 CABLES FROM THE UPS TO THE PATCH PANELS IN THE LAN ROOM
9	PROVIDE 15-CAT 6 CABLES IN 3" EMT CONDUIT AND 4-15A CCTS FROM PANEL EU TO THE MECHANICAL PENTHOUSE. RUN CONDUIT AND CABLE TO RADIO RACK. TERMINATE CAT 6 INTO PATCH PANEL. TERMINATE CCTS ONE PER DEDICATED RECEPTACLE AT THE RADIO RACK. COORDINATE FINAL DETAILS ON SITE.
10	AT PENTHOUSE, PROVIDE A #2/0 CU GROUND CABLE FROM THE RADIO RACK TO THE NEAREST DIRECT ATTACHMENT TO THE MAIN GROUND. ATTACH TO A CABLE NO SMALLER THAN #2/0. NOTE: MAIN GROUND WAS LOCATED ON THE THIRD FLOOR ELECTRICAL ROOM.
11	FLOOR MOUNT TR-EU ON A 4" CONCRETE HOUSEKEEPING PAD. SUPPORT TR-C ABOVE TR-EU ON A STRUCTURAL STEEL SUPPORT STAND.



NO.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER		KO 12/10



DRAWN BY	CHECKED BY	APPROVED
KOLO		

CITY OF WINNIPEG  
 PLANNING, PROPERTY AND  
 DEVELOPMENT DEPARTMENT  
 CIVIC ACCOMMODATIONS DIVISION  
 300 - 65 GARRY ST. R3C 4K4

PROJECT  
**MANDARIN BUILDING  
 ALTERNATE EMERGENCY  
 COMMUNICATION CENTRE-DESIGN**

165 KING STREET  
 SHEET TITLE  
**MAIN FLOOR PLAN  
 NEW POWER AND SYSTEMS PLAN**

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	2008-095-02	E-4