MAIN FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

(A) EXISTING DATA OUTLET LOCATION TO REMAIN. PROVIDE NEW CABLING, JACKS AND COVERPLATE AS PER SPECIFICATIONS.

(B) INSTALL NEW SMOKE DETECTOR. CONNECT TO EXISTING CALL CENTRE PRE–ACTION FIRE ALARM SYSTEM CONTROL PANEL LOCATED IN ROOM 102.04. NEW DEVICE SHALL MATCH EXISTING.

(C) SUPPLY AND INSTALL WALL RECESSED, DUKANE SECONDARY DIGITAL CLOCK. CONNECT NEW CLOCK TO EXISTING BUILDING TIME MANAGEMENT HEAD END EQUIPMENT LOCATED AT SECURITY ROOM AT THE BUILDING ENTRANCE ON MAIN FLOOR. CLOCK SHALL BE COMPLETE WITH 50mm, RED LED NUMERALS. DUKANE #24D20A.

(D) RELOCATE EXISTING FIRE ALARM SYSTEM HORN/STROBE TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.

(E) EXTEND EXISTING ACCESS FLOORING GROUND GRID SYSTEM TO NEW ACCESS FLOORING IN THIS AREA. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF NEW FLOORING.

(F) RENOVATION AREA. REMOVE ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT WITHIN DASHED AREA, UNLESS NOTED OTHERWISE, INCLUDING EQUIPMENT LOCATED BELOW RAISED FLOOR SYSTEM, EXCEPT IN–FLOOR CABLE TRAY AND SMOKE DETECTORS. REMOVE ALL ABANDONED WIRE, CONDUIT AND COMMUNICATIONS CABLING. PROVIDE NEW DEVICES AND EQUIPMENT AS INDICATED. PROVIDE BLANK STAINLESS STEEL COVERPLATES WHERE ABANDONED DEVICE LOCATIONS IN WALLS ARE NOT COVERED BY NEW WALL FINISHES.

(G) INSTALL DEVICES ON WALL AT 1550mm A.F.F. CONFIRM LOCATION OF DEVICES WITH DEPARTMENTAL REPRESENTATIVE ON SITE PRIOR TO ROUGH IN.

(H) EXISTING ELECTRICAL DEVICES IN THIS ROOM TO REMAIN, UNLESS NOTED OTHERWISE.

(J) THIS PORTION OF EXISTING CABLE TRAY TO BE REMOVED AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW RAMP.

(K) INSTALL NEW SMOKE DETECTOR WITHIN IN RAISED FLOOR SYSTEM. CONNECT TO EXISTING CALL CENTRE PRE–ACTION FIRE ALARM SYSTEM CONTROL PANEL LOCATED IN ROOM 102.04. NEW DEVICE SHALL MATCH EXISTING.

(L) EXISTING CARD READER AND CONDUITS TO REMAIN.

(M) RELOCATE EXISTING PRE–ACTION FIRE ALARM SYSTEM PULL STATION TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.

(N) EXISTING CALL CENTRE PRE–ACTION FIRE ALARM SYSTEM CONTROL PANEL TO REMAIN. PROTECT DURING CONSTRUCTION. CONNECT ALL EXISTING AND NEW SMOKE DETECTORS LOCATED BELOW THE RAISED FLOOR AND AT THE CEILING LEVEL OF ROOMS 102.03, 118.02 AND 121.05 TO THIS LOCATION.

(O) INSTALL DEVICES AT 2290mm A.F.F.

(P) RELOCATE EXISTING DIGITAL CLOCK CONNECTED TO EXISTING BUILDING TIME SYSTEM TO NEW LOCATION. EXTEND CONDUIT AND CABLING AS REQUIRED.

(Q) EXISTING NORMAL POWER PANEL 'P1VB' – 100A, 120/208V, 3ø/4W, 24 CIRCUIT, WESTINGHOUSE TO REMAIN.

(R) EXISTING EMERGENCY POWER PANEL 'P1EAB' – 100A, 120/208V, 3ø/4W, 24 CIRCUIT, WESTINGHOUSE TO REMAIN.

(S) EXISTING UPS POWER PANEL 'UPS1B' – 120/208V, 3ø/4W, 30 CIRCUIT, FEDERAL PIONEER TO REMAIN.

(T) EXISTING EMERGENCY POWER PANEL 'P1EBC' – 400A, 120/208V, 3ø/4W, 42 CIRCUIT, WESTINGHOUSE TO REMAIN.

(U) EXISTING UPS POWER PANEL 'UPS1A' – 120/208V, 3ø/4W, 36 CIRCUIT, COMMANDER, TO REMAIN.

(V) EXISTING POWER PANEL 'X – 120/208V, 3ø/4W, 42 CIRCUIT, FEDERAL PIONEER TO REMAIN.

(W) EXISTING TELEPHONE SYSTEM EQUIPMENT AND PLYWOOD TO BE REMOVED. REMOVE ALL COMMUNICATIONS CABLING AND RISER CABLES TO AND FROM THE LOCATION.

(X) EXISTING DISCONNECT SWITCH TO REMAIN.

(Y) EXISTING UPS BYPASS SWITCH TO REMAIN.

(Z) EXISTING UPS OUTPUT POWER SWITCH TO REMAIN.

(A1) EXISTING IN FLOOR CABLE TRAY TO REMAIN. RUN ALL NEW COMMUNICATIONS CABLING IN CABLE TRAY TO TERMINATION POINT.

(B1) NEW IN FLOOR CABLE TRAY. CONNECT TO EXISTING IN FLOOR CABLE TRAY. RUN ALL NEW COMMUNICATIONS CABLING IN CABLE TRAY TO TERMINATION POINT.

(C1) INSTALL NEW DEVICES SURFACE MOUNTED ON FLOOR SLAB BELOW EXISTING RAISED FLOOR SYSTEM. RUN ALL NEW COMMUNICATIONS CABLING IN IN–FLOOR CABLE TRAY TO TERMINATION POINT.

(D1) CONNECT ALL BUILDING PAGING SPEAKERS IN RENOVATION AREA WITH CABLING IN CONDUIT. RUN CABLING IN CONDUIT FROM AREAS SPEAKERS TO THIS LOCATION FOR CONNECTION TO BUILDING PAGING SYSTEM BY DEPARTMENTAL REPRESENTATIVE.

(E1) PROVIDE 120V EMERGENCY POWER CONNECTION TO NEW MECHANICAL VAV BOX IN CEILING SPACE.

(F1) LOCATE MICROWAVE RECEPTACLE WITHIN MILLWORK. POSITION RECEPTACLE IN LOWER RIGHT CORNER. REFER TO ARCHITECTURAL MILLWORK DETAILS AND MILLWORK SHOP DRAWINGS.

(G1) NEW FLOOR MOUNT DATA COMMUNICATIONS RACK. REFER TO TYPICAL MAIN FLOOR DATA COMMUNICATIONS SYSTEM SCHEMATIC, DETAIL 1/E3.2.

(H1) NEW FLOOR MOUNT VOICE COMMUNICATIONS RACK. REFER TO TYPICAL MAIN FLOOR DATA COMMUNICATIONS SYSTEM SCHEMATIC, DETAIL 2/E3.2.

(J1) INSTALL DEVICES FOR OWNER SUPPLIED WALL MOUNTED MONITOR AT 2130mm A.F.F.

(K1) EXISTING DATA AND VOICE COMMUNICATIONS OUTLETS TO BE RECABLED TO NEW MAIN FLOOR DATA AND VOICE COMMUNICATIONS FLOOR MOUNT RACKS IN ROOM 102.02. REMOVE ALL EXISTING CABLING AND PROVIDE NEW CABLING, TERMINATED JACKS AND COVERPLATES AS PER DETAILS 1/E3.2 AND 2/E3.2.

(L1) PERIMETER COMPUTER LOCATION. PROVIDE 100 x 100 x 50mm DEVICE BOX C/W SINGLE GANG EXTENSION RING AND 53mm CONDUIT C/W PULLWIRE TO ACCESSIBLE CEILING SPACE FOR MONITOR VGA CABLING. PROVIDE 53mm GROMETTED COVERPLATE.

(M1) MONITOR CABLING LOCATION. PROVIDE SINGLE GANG DEVICE BOX C/W SINGLE GANG EXTENSION RING AND 27mm CONDUIT TO ACCESSIBLE CEILING SPACE. RUN TERMINATED VGA CABLING FROM THIS LOCATION TO CENTRALLY LOCATED DISTRIBUTION AMPLIFIER IN CEILING SPACE. RUN 1 TERMINATED VGA CABLE FROM DISTRIBUTION AMPLIFIER IN CEILING SPACE TO PERIMETER COMPUTER LOCATION (NOTE 'L1'). TERMINATE VGA CABLING AT PERIMETER COMPUTER LOCATION WITH 3050mm OF SLACK BEYOND WALL.

(N1) EXISTING MAIN FLOOR VOICE COMMUNICATIONS EQUIPMENT PLYWOOD TO REMAIN. PROVIDE NEW IDC/IDC VOICE CONNECTORS AS REQUIRED AS PER TYPICAL MAIN FLOOR VOICE COMMUNICATION SYSTEM SCHEMATIC, DETAIL 2/E3.2.

(O1) PROVIDE 120V EMERGENCY POWER CONNECTION AND FIRE ALARM CONNECTION TO MECHANICAL CONTRACTOR SUPPLIED COMBINATION FIRE/SMOKE DAMPER IN CEILING SPACE SUCH THAT IN THE EVENT OF A FIRE ALARM, THE DAMPER SHALL CLOSE.

(P1) DISCONNECT EXISTING POWER CONNECTION TO EXISTING FAN COIL UNIT IN CEILING SPACE. MECHANICAL CONTRACTOR TO REMOVE AND REPLACE UNIT WITH SIMILAR ELECTRICAL REQUIREMENTS. REUSE EXISTING POWER CONNECTIONS TO CONNECT NEW FAN COIL UNITS.

(Q1) INSTALL DEVICES IN RECESS POKE THROUGH BELOW TABLE. REFER TO SPECIFICATIONS. CONFIRM POKE THROUGH LOCATION ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH IN. PROVIDE ALL CORING AS REQUIRED TO INSTALL POKE THROUGH. COORDINATE ACCESS TO TENANT SPACE BELOW WORK AREA WITH DEPARTMENTAL REPRESENTATIVE. REMOVE AND REPLACE EXISTING CEILING TILES IN ADJACENT TENANT SPACES AS REQUIRED TO INSTALL NEW CONDUIT, WIRE AND CABLING. COMPLETE WORK IN ADJACENT TENANT SPACE BETWEEN THE HOURS OF 5:00PM AND 7:00AM OR ON WEEKENDS. SCHEDULE WORK PRIOR TO BEGINNING WITH DEPARTMENTAL REPRESENTATIVE.

BUSSING: EX.		PANEL 'P1VB'			EX. KA I.C.
TYPE: EX.		120/208 VOLTS		3 PHASE	4 WIRE
MOUNT: RECESS IN 109.08					
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE
FLOOR RECEPTACLES	15	1	2	15	MICROWAVE
FLOOR RECEPTACLES	15	3	4	15	COUNTER RECEPTACLE
FLOOR RECEPTACLES	15	5	6	15	RECEPTACLES
FLOOR RECEPTACLES	15	7	8	15	RECEPTACLES
FLOOR RECEPTACLES	15	9	10	15	SPARE
FLOOR RECEPTACLES	15	11	12	15	SPARE
FLOOR RECEPTACLES	15	13	14	15	SPARE
RECEPTACLES	15	15	16	15	SPARE
RECEPTACLES	15	17	18	15	SPARE
RECEPTACLES	15	19	20	15	SPARE
SPARE	15	21	22	15	SPARE
SPARE	15	23	24	15	SPARE

(R1) INSTALL RECESSED PLASTER RING AND GROMETTED STAINLESS STEEL COVER PLATE WITH 41mm GROMMET ADJACENT OTHER DEVICES INSTALLED AT 1550mm A.F.F. RUN 41mm CONDUIT C/W PULLWIRE FROM WALL LOCATION, TO LOCATION BELOW OWNER SUPPLIED TABLE. REFER TO NOTE 'S1'.

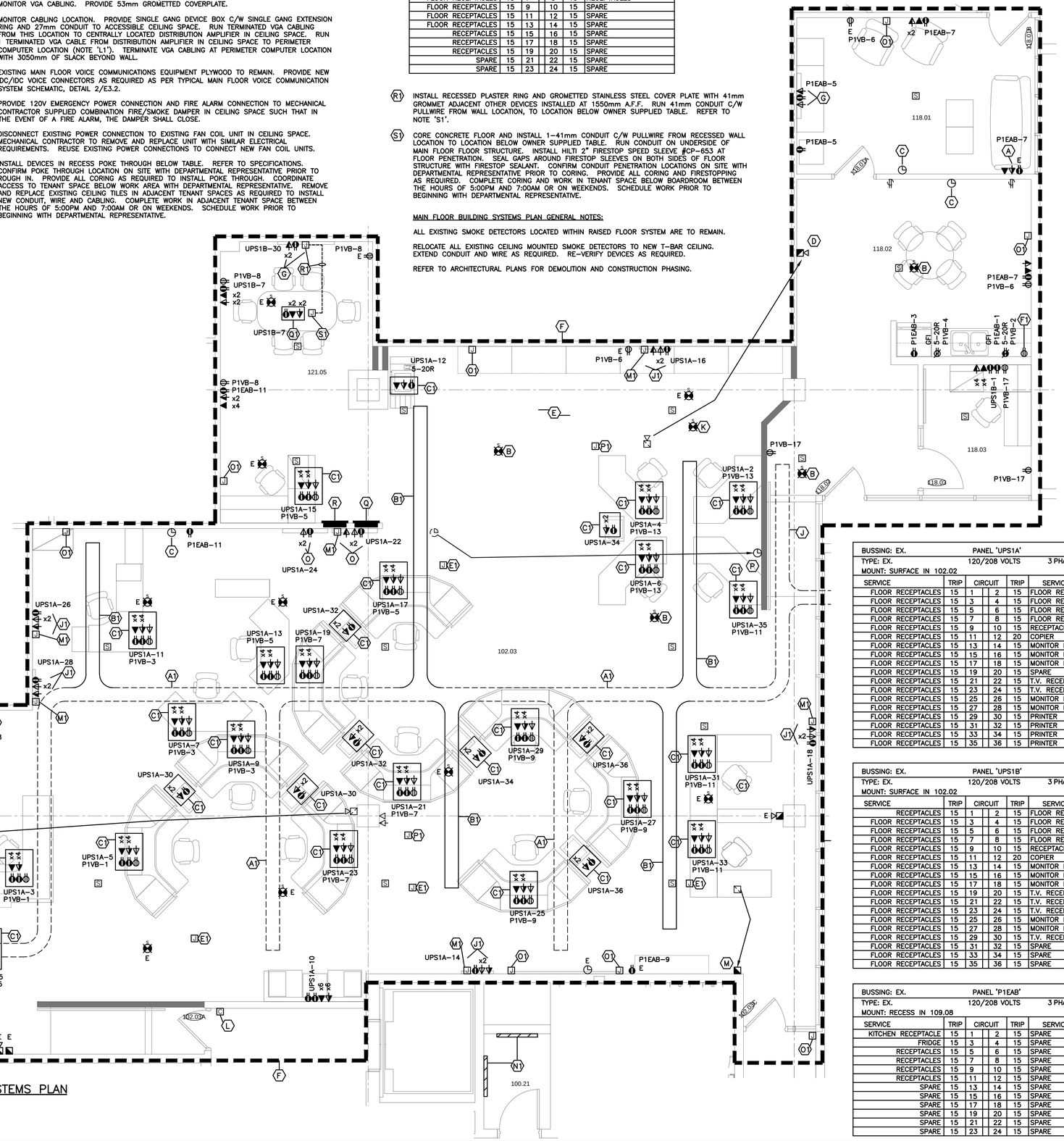
(S1) CORE CONCRETE FLOOR AND INSTALL 1–41mm CONDUIT C/W PULLWIRE FROM RECESSED WALL LOCATION TO LOCATION BELOW OWNER SUPPLIED TABLE. RUN CONDUIT ON UNDERSIDE OF MAIN FLOOR FLOOR STRUCTURE. INSTALL HILTI 2" FIRESTOP SPEED SLEEVE #CP–653 AT FLOOR PENETRATION. SEAL GAPS AROUND FIRESTOP SLEEVES ON BOTH SIDES OF FLOOR STRUCTURE WITH FIRESTOP SEALANT. CONFIRM CONDUIT PENETRATION LOCATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO CORING. PROVIDE ALL CORING AND FIRESTOPPING AS REQUIRED. COMPLETE CORING AND WORK IN TENANT SPACE BELOW BOARDROOM BETWEEN THE HOURS OF 5:00PM AND 7:00AM OR ON WEEKENDS. SCHEDULE WORK PRIOR TO BEGINNING WITH DEPARTMENTAL REPRESENTATIVE.

MAIN FLOOR BUILDING SYSTEMS PLAN GENERAL NOTES:

ALL EXISTING SMOKE DETECTORS LOCATED WITHIN RAISED FLOOR SYSTEM ARE TO REMAIN.

RELOCATE ALL EXISTING CEILING MOUNTED SMOKE DETECTORS TO NEW T–BAR CEILING. EXTEND CONDUIT AND WIRE AS REQUIRED. RE–VERIFY DEVICES AS REQUIRED.

REFER TO ARCHITECTURAL PLANS FOR DEMOLITION AND CONSTRUCTION PHASING.



1 / E1.2 MAIN FLOOR BUILDING SYSTEMS PLAN
SCALE 1:50

BUSSING: EX.		PANEL 'UPS1A'			EX. KA I.C.
TYPE: EX.		120/208 VOLTS		3 PHASE	4 WIRE
MOUNT: SURFACE IN 102.02					
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE
FLOOR RECEPTACLES	15	1	2	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	3	4	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	5	6	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	7	8	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	9	10	15	RECEPTACLES
FLOOR RECEPTACLES	15	11	12	20	COPIER
FLOOR RECEPTACLES	15	13	14	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	15	16	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	17	18	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	19	20	15	SPARE
FLOOR RECEPTACLES	15	21	22	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	23	24	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	25	26	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	27	28	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	29	30	15	PRINTER
FLOOR RECEPTACLES	15	31	32	15	PRINTER
FLOOR RECEPTACLES	15	33	34	15	PRINTER
FLOOR RECEPTACLES	15	35	36	15	PRINTER

BUSSING: EX.		PANEL 'UPS1B'			EX. KA I.C.
TYPE: EX.		120/208 VOLTS		3 PHASE	4 WIRE
MOUNT: SURFACE IN 102.02					
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE
RECEPTACLES	15	1	2	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	3	4	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	5	6	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	7	8	15	FLOOR RECEPTACLES
FLOOR RECEPTACLES	15	9	10	15	RECEPTACLES
FLOOR RECEPTACLES	15	11	12	20	COPIER
FLOOR RECEPTACLES	15	13	14	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	15	16	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	17	18	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	19	20	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	21	22	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	23	24	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	25	26	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	27	28	15	MONITOR RECEPTACLE
FLOOR RECEPTACLES	15	29	30	15	T.V. RECEPTACLE
FLOOR RECEPTACLES	15	31	32	15	SPARE
FLOOR RECEPTACLES	15	33	34	15	SPARE
FLOOR RECEPTACLES	15	35	36	15	SPARE

BUSSING: EX.		PANEL 'P1EAB'			EX. KA I.C.
TYPE: EX.		120/208 VOLTS		3 PHASE	4 WIRE
MOUNT: RECESS IN 109.08					
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE
KITCHEN RECEPTACLE	15	1	2	15	SPARE
FRIDGE	15	3	4	15	SPARE
RECEPTACLES	15	5	6	15	SPARE
RECEPTACLES	15	7	8	15	SPARE
RECEPTACLES	15	9	10	15	SPARE
RECEPTACLES	15	11	12	15	SPARE
SPARE	15	13	14	15	SPARE
SPARE	15	15	16	15	SPARE
SPARE	15	17	18	15	SPARE
SPARE	15	19	20	15	SPARE
SPARE	15	21	22	15	SPARE
SPARE	15	23	24	15	SPARE

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REAL PROPERTY SERVICES
Western Region

ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
ALFA ENGINEERING LTD.
NUMBER 14
PERMISSION TO CONSULT HELD BY:
DISCIPLINE ELECTRICAL — ASSN. REG. No. 6938 — SIGNATURE

PROFESSIONAL ENGINEER
B.C. NOVAK
MEMBER 6438
13 06 26
YR. MN. DAY
SASKATCHEWAN

revisions	description	date

Client
R.050172.002
FOR
PWGSC

project title
OFFICE RENOVATIONS

REGINA, SASKATCHEWAN

approved by

designed by
PLJ

drawn by
PLJ

PWGSC Project Manager
MJ

PWGSC, Architectural and Engineering Resources Manager
KD

Client
KL

drawing title
MAIN FLOOR
BUILDING SYSTEMS PLAN

project no.	sheet	revision no.
R.050172.001	E1.2	

PWGSC – A1 – 841X594

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