NORTH

PARTIAL MAIN FLOOR PLAN - ELECTRICAL RENOVATION
RELECTED CEILING SHOWN FOR CLARITY

SCALE: 1/4"=1'-0"

LUMINAIRE, SWITCH & LIGHTING CONTROL SCHEDULE

TYPE	MANUFACTURER	CATALOGUE No.	LAMP	DESCRIPTION
?	EXISTING			1'X4' SURFACE MOUNT, LED
A	(NEW) COOPER	TBD	LED TBD LUMENS, 4000K	LOW-PROFILE LED UNDER CABINET LIGHTING 120V (HARDWIRED TO SWITCH)
	(NEW) AIMLITE	RMMB-2-XX-3.7L-WHT	LED	EMERGENCY DOUBLE REMOTE LAMP, VOLTAGE TO SUIT EXISTING SYSTEM

ALL NEW LIGHTING LUMINAIRES AND COMPONENTS SHALL BE MANITOBA HYDRO EFFICIENCY PROGRAM APPROVED.

ELECTRICAL POWER & SYSTEMS RENOVATION NOTES: "X"

ALSO SEE NOTES & SPECIFICATIONS.
ALL WIRING & CABLING SHALL BE CONCEALED IN DOOR JAMB &/OR IN WALL CAVITY FOR FINISH SPACE. INCLUDING RECEPTACLES & SWITCHES.
ALL NEW WIRING & CABLING IN CEILING SPACE SHALL BE PLENUM RATED AS PER LATEST CEC.

1. PROVIDE (2) DEDICATED RANGE CIRCUITS, 208V/3PH/4W WITH NEW (2) 60A-3P CIRCUIT BREAKERS, #6 AWG RW90 WIRE IN SHARE 1-1/2" EMT (IN-WALL).

2. PROVIDE SURFACE-FLUSH DUPLEX RECEPTACLES & DEDICATED CIRCUITS (AS SHOWN), 120V/1PH WITH NEW 15A-1P CIRCUIT BREAKERS, #12AWG RW90 WIRE (IN-WALL) & EMTs TO PANEL.
   2.1. PROVIDE SURFACE-FLUSH RECEPTACLE & DEDICATED CIRCUIT (20A MIN.) TO SUIT NEW POPCORN MACHINE. COULD BE 208V-1PH.

3. PROVIDE GFCI DUPLEX RECEPTACLES, 20A WITH NEW 20A CIRCUIT BREAKERS & FACEPLATES.

4. PROVIDE DEDICATED (M/W) DUPLEX RECEPTACLE, 120V/1PH CIRCUIT WITH #12AWG RW90 IN EMT TO PANEL/CIRCUIT SHOWN WITH 15A CIRCUIT BREAKER. LOCATION TO ACCOMMODATE NEW (M/W).

5. PROVIDE NEW UNDER CABINET LUMINAIRE & (AC) LIGHT SWITCH AS SHOWN.

6. PROVIDE A DEDICATED CIRCUIT FOR DISHWASHER (D/W) JB, 208V/1PH CIRCUIT WITH #10AWG RW90 IN 3/4"EMT (IN-WALL) TO NEW 30A-2P CIRCUIT BREAKER PANEL/CIRCUIT SHOWN.

7. PROVIDE (MAU-1) DISCONNECT SWITCH, 208V/3PH/4W WITH #4 AWG RW90 IN EMT TO CIRCUIT SHOWN WITH NEW 60A-3P CIRCUIT BREAKER. USE CURRENT SENSOR ON (MAU-1) TO INTERLOCK (MAU-1) WITH EXHAUST FAN (EF-5), AS PER MANUFACTURER INSTRUCTIONS. ALSO REFER TO (RHFS) CONTROL NOTES BELOW. REFER TO MECH. DRAWING FOR (MAU-1) LOCATION.

8. PROVIDE A DEDICATED EXHAUST FAN (EF-5) CIRCUIT. DISCONNECT ROOF SERVICE SWITCH W/TECK. KITCHEN ILLUMINATED WALL FLUSH FAN SWITCH. WIRE WITH #12 AWG RW90 IN 3/4"EMT (IN-WALL) TO NEW 15A-1P CIRCUIT BREAKER. USE CURRENT SENSOR ON (MAU-1) TO INTERLOCK (MAU-1) WITH EXHAUST FAN (EF-5), AS PER MANUFACTURER INSTRUCTIONS. ALSO SEE BELOW ON (RHFS) CONTROL WITH (EF-5), REFER TO MECH. DRAWING FOR (EF-5) LOCATION.
   8.1. NEW ILLUMINATED WALL FLUSH FAN SWITCH WITH S/ST FACEPLATE TO REPLACE EXISTING. LABEL.
   8.2. NEW RANGE HOOD LIGHT SWITCH WITH S/ST FACEPLATE. WIRE TO RANGE HOOD LIGHTS. LABEL.

9. RELOCATE/ROTATE PANEL "K" INSIDE PANTRY 110 AS SHOWN. HEIGHT TO MATCH EXISTING. EVALUATE & TEST ALL CIRCUIT BREAKERS. IF NOT CODE COMPLIANT, REPLACE PANEL BOARD ASSEMBLY, CIRCUIT BREAKERS & COMPONENTS TO SUIT.

10. RELOCATE & REWIRE EXISTING LUMINARIES TO NEW LIGHT SWITCHES IN ROOM.

11. CEILING MOUNT EMERGENCY DOUBLE REMOTE LAMP. WIRE TO EXISTING EMERGENCY LIGHTING CIRCUIT.

12. PROVIDE FIRE ALARM HORN/STROBE TO SUIT EXISTING. TIE-IN TO EXISTING FIRE ALARM SYSTEM.

13. PROVIDE CONNECTIONS & COMPONENTS PER RANGE HOOD FIRE SUPPRESSION SYSTEM (RHFS) ELECTRICAL REQUIREMENTS. SEE MANUFACTURER'S MANUAL, TO FULLY FUNCTION. WIRE TO EXISTING FIRE ALARM SYSTEM.
   13.1. UPON (RHFS) ACTIVATION: MAKE-UP AIR UNIT (MAU-1), RANGE HOOD LIGHTS & ELECTRIC STOVES TO SHUT-OFF & RANGE HOOD EXHAUST FAN (EF-5) TO TURN "ON". PROVIDE REQUIRED CONTROLS, INTERLOCKS, RELAY AND CONTACTORS (RATING MATCHING NEW ELECTRIC STOVES).

14. REINSTALL/REWIRE SECURITY SHUTTER CONNECTIONS, (DC) & SWITCH TO FULLY FUNCTION. SECURITY SHUTTER (SUPPLIED BY ARCHITECTURAL).

15. REMOTE CCTV MONITOR (LOCATION & MONITOR SIZE TBC)
   15.1. PROVIDE NEW 43" 4K [24/7] FLAT PANEL MONITOR WITH LAN CONNECTION (SAMSUNG MODEL QM43B) AND LOW-PROFILE TILTABLE WALL-MOUNT FOR FLAT PANEL MONITOR.
   15.2. PROVIDE COMMON RECESSED BOX TO HOUSE THE FOLLOWING:
      15.2.1. IN-WALL DUPLEX RECEPTACLE.
      15.2.2. CAT 6 DATA PORT WITH CAT6 PLENUM RATED TERMINATED CABLE TO INTRUSION SYSTEM.
      15.2.3. HDMI VER 2.1 PORT WITH VER 2.1 CABLE TO HOME RUN TO INTRUSION SYSTEM WITH NEW HDMI SPLITTER TO RECEIVE DUPLICATE FEED FROM EXISTING MASTER MONITOR. LOCATION OF RECEPTACLE & HDMI PORT TO BE CONCEALED & ACCESSIBLE BEHIND NEW WALL-MOUNTED FLAT PANEL MONITOR.

16. PA SYSTEM (PA)
   16.1. RELOCATE EXISTING (PA) SYSTEM FROM PANTRY (110) TO RECEPTIONIST (115) SHELF BENEATH COUNTER. LOCATION TBC. RETURN WALL MOUNT ENCLOSURE TO CITY.
      16.1.1. REWIRE & PATCH EXISTING RECEPTACLE & COMMUNICATION DEVICE BOXES BEHIND EXISTING (PA) ENCLOSURE.
      16.1.2. REPLACE AMPLIFIER WITH NEW (SEE SPEC, DRAWING E3), RETURN OLD TO CITY.
      16.1.3. EXTEND EXISTING (8) GYM CEILING SPEAKER WIRING TO NEW TOA AMPLIFIER IN 1" EMT, SUPPORTS & BY SPICING AUDIO WIRING. SPLICING METHOD SHALL MINIMIZE AUDIO DROPOUTS & SHORT CIRCUITS. PROVIDE FIRE STOPPING WHERE REQUIRED BY CODE. CONFIRM INTENDED WORK WITH CONTRACT ADMINISTRATOR PRIOR TO WORK.
   16.2. PROVIDE NEW MIC WALL PLATE (SEE SPEC, DRAWING E3) TO ABOVE RECEPTIONIST COUNTER. LOCATION TBC.
   16.3. PROVIDE A FULLY-FUNCTIONING NEW (PA) SYSTEM USING ALL REQUIRE COMPONENTS. COMMISSION & TEST (PA) SYSTEM TO SATISFY CLIENT.

17. REPLACE EXISTING HEAT DETECTORS WITH NEW FIX-TEMPERATURE HEAT DETECTORS TO SUIT EXISTING FIRE ALARM SYSTEM.

18. POWER DOOR OPERATOR (DO) AS PER ARCH. DWG.
   18.1. PROVIDE NEW POWER DOOR OPERATOR, SEE ARCH. DOOR SCHEDULE, WITH DEDICATED 120V, 15A CIRCUIT #12/2 RW90 IN EMT TO DESIGNATED 15A/1P CIRCUIT BREAKER. SETUP (DO) FOR "PUSH & GO". (DO) TO BE MOUNTED ON SECURED SIDE. WIRE WITH REQUIRED COMPONENTS TO OPERATE WITH CARD ACCESS.

19. CARD ACCESS [TO OPERATE WITH (DO)]
   19.1. (ES) PROVIDED BY ARCH, SEE ARCH DOOR SCHEDULE. WIRING BY ELECTRICAL.
   19.2. PROVIDE (CA), (DC), (RTE), WIRE TERMINATIONS, SETUP & COMMISSIONING BY ELECTRICAL. PROVIDE CARD ACCESS CONTROLLER & CARD ACCESS MODULE IF EXISTING ARE FULL. PROVIDE HONEYWELL PROFUSION ACCESS CONTROL CABLE 3195 (PLENUM RATED,CMP LISTED) USING J-HOOK SUPPORT AT 5 FEET O/C FROM CARD ACCESS DOOR TO CARD ACCESS CABINET IN ELECTRICAL ROOM. LABEL BOTH ENDS OF CABLES WITH DOOR DESIGNATIONS. AT DOOR LOCATION ELECTRICAL BOX, RUN ALL WIRES FROM HONEYWELL PROFUSION ACCESS CONTROL CABLE 3195 TO THE DOOR DEVICE LOCATIONS (CA), (DC), (ES), (RTE). REFER TO DRAWING FOR (CA) & (RTE) LOCATIONS. PRIOR TO INSTALLING CONTROL CABLE 3195, CONTACT THE CITY FST BRANCH FOR COORDINATION. WIRE TERMINATIONS, SETUP & COMMISSIONING BY ELECTRICAL.
      19.1.1. DOOR ELECTRIC STRIKE (ES) WITH STRIKE SURGE PROTECTOR (SETUP FOR FAIL-SECURE). INSTALL WITH STRIKE SURGE PROTECTION AT DEVICE END 18/4 STR
      19.1.2. CARD ACCESS READER (CA) 22/6 STR OAS
      19.1.3. DOOR CONTACT (DC) WIRED WITH A 4-STATE, DOUBLE END-OF-LINE RESISTORS IN THE N/C STATE. PROVIDE MAGNET & SILICONE TO DOOR TOP CHANNEL TO ALIGN WITH (DC) 22/2 STR
      19.1.4. REQUEST TO EXIT (RTE) 22/4 STR

20. RELOCATE EXISTING (AC) RECEPTACLE CIRCUIT TO UNDERSIDE OF NEW HAND WASH SINK. PROVIDE NEW GFCI RECEPTACLE FOR (TR) UNDER NEW SINK, WIRING, COMPONENTS FOR NEW HAND WASH SINK ELECTRONIC FAUCET. INSTALL AS PER MANUFACTURER.

NORTH

PARTIAL REFLECTED CEILING PLAN - ELECTRICAL RENOVATION

SCALE: 1/4"=1'-0"

NOTES:

REFER TO DRAWING E1.

1. INSTALLATION SHALL BE IN CONFORMANCE WITH CAN/ULC-S524-M, STANDARD FOR INSTALLATION OF FIRE ALARM SYSTEMS. PERFORM A FIRE ALARM VERIFICATION WITH REPORT IN CONFORMANCE WITH CAN/ULC-S537, STANDARD FOR VERIFICATION OF FIRE ALARM SYSTEMS FOR ZONES AFFECTED.
   1.1. IF REQUIRED, PROVIDE WIRE, CONDUIT, END-OF-LINE RESISTORS & BOOSTER POWER SUPPLIES.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	DTA	2024 .02.02
0	ISSUED FOR CONSTRUCTION	DTA	2023 .07.04
000	REVISED TO CLIENT'S REQUEST. ISSUED FOR CLASS 3 COST ESTIMATE	DTA	2023 .02.23
00	ISSUED FOR CLASS 3 COST ESTIMATE	DTA	2019 .06.18

SEAL

PROVINCE OF MANITOBA
2024-02-02
X. WU
Member
2019
REGISTERED PROFESSIONAL ENGINEER

DRAWN	DTA	CHECKED		DESIGNED	DTA	APPROVED	
DATE	2019.06.14	USER APPROVAL					

Winnipeg

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3–65 GARRY STREET, R3C 4K4

PROJECT

TURTLE ISLAND NEIGHBOURHOOD CENTRE
KITCHEN RENOVATIONS
DESIGN OF KITCHEN RENOVATIONS
510 KING STREET

SHEET TITLE

PARTIAL MAIN FLOOR PLAN
RENOVATION
POWER AND SYSTEMS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2019-07801	E2

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1

ADDRESS: 510 KING STREET | PROJECT No: 2019-07802 | SHEET TITLE: PARTIAL MAIN FLOOR PLAN - RENO | DATE: 2019.06.14 | FILE NAME: 2019078EV3.dwg