



4 KEY PLAN
E1.1 SCALE: N.T.S.

KEY PLAN NOTES:

1. PROVIDE NEW 2 SIDED EXIT LIGHT AND MOUNT PERPENDICULAR TO WALL. CONNECT TO EXISTING EXIT LIGHT CIRCUITING.

1 PARTIAL MAIN FLOOR ELECTRICAL DEMOLITION
E1.1 SCALE: 1:100

DEMOLITION NOTES:

1. DISCONNECT AND REMOVE ALL EXISTING LUMINAIRES AND SWITCHING. CONTRACTOR SHALL DISPOSE LUMINAIRES, MAINTAIN EXISTING LIGHTING CIRCUIT AND UTILIZE IN NEW LIGHTING LAYOUT.
2. DISCONNECT AND REMOVE ALL CONDUIT, WIRING, DEVICES AND ASSOCIATED ELECTRICAL EQUIPMENT. MAINTAIN CIRCUIT IN ACCESSIBLE CEILING SPACE FOR UTILIZATION IN NEW LAYOUT.
3. DISCONNECT AND REMOVE CONDUIT AND WIRING INTO ACCESSIBLE CEILING SPACE FROM HOT WATER TANK, AS REMOVED BY OTHERS.
4. DISCONNECT AND REMOVE ASSOCIATED WIRING FROM DELETED MECHANICAL EQUIPMENT. MAINTAIN CIRCUIT FOR NEW MECHANICAL EQUIPMENT AS SHOWN IN NEW LAYOUT.

2 PARTIAL MAIN FLOOR LIGHTING PLAN
E1.1 SCALE: 1:100

LIGHTING NOTES:

1. CIRCUITING IS REPRESENTATIONAL ONLY. CONTRACTOR TO CONFIRM SPARE CAPACITY OF CIRCUIT PRIOR TO UTILIZATION. PROVIDE NEW IF REQUIRED.

3 PARTIAL MAIN FLOOR POWER AND SYSTEMS PLAN
E1.1 SCALE: 1:100

POWER AND SYSTEMS NOTES:

1. CONNECT BU-1 RECEPTACLE TO LIGHTING CIRCUIT C/W APPROPRIATE VOLTAGE SENSING REPLAYS SO UPON POWER OUTAGE TO LIGHTING CIRCUIT BU-1 IS ENERGIZED.
2. CIRCUITING IS REPRESENTATIONAL ONLY. CONTRACTOR TO CONNECT TO EXISTING PANEL C UTILIZING NEXT AVAILABLE CIRCUIT.
3. PROVIDE 21mm EMPTY CONDUIT FOR DATA OUTLET C/W DEEP 4x4 SQ BOX AND APPROPRIATE SINGLE GANG DRYWALL RING. INSTALL PULL STRING AND GROUNDING AS REQUIRED.
4. UTILIZING SURFACE RACEWAY AS SUPPLIED BY OTHERS. PROVIDE 27mm CONDUIT FROM SURFACE RACEWAY TERMINATING ABOVE CEILING TO EXISTING CABLE TRAY IN CORRIDOR 113A. INSTALL PULL STRING AND GROUNDING AS REQUIRED.
5. UTILIZING SURFACE RACEWAY AS SUPPLIED BY OTHERS. WIRE AND CONNECT RECEPTACLES AS SHOWN. REFER TO ARCHITECTURAL DRAWING A2 FOR FURTHER REQUIREMENTS.
6. WIRE AND CONNECT AHU-M621 (LOCATED ON ROOF) TO PANEL CDP WITH 15A/3P BREAKER COMPLETE WITH 3#12 RW90 IN 21MM CONDUIT. PROVIDE FOR WIRING AND CONNECTION OF MECHANICALLY SUPPLIED ADJUSTABLE FREQUENCY DRIVE ASSOCIATED WITH AHU-M621. PROVIDE FOR CONDUIT AND CABLING AS IDENTIFIED ON MECHANICAL DRAWINGS. COORDINATE WITH MECHANICAL AND CONTROLS CONTRACTOR AS REQUIRED. REFER TO MECHANICAL DRAWING P2.3 FOR LOCATIONS.
7. WIRE AND CONNECT CU-1-M621 (LOCATED ON ROOF) TO PANEL CDP WITH 15A/3P BREAKER C/W 3#10 RW90 IN 21MM CONDUIT. UTILIZATION OF EXISTING CIRCUIT IS ACCEPTABLE IF IT MEETS THE AFORE MENTIONED REQUIREMENTS.
8. WIRE AND CONNECT F-47-M630 (LOCATED ABOVE CEILING) TO PANEL M WITH 15A/3P BREAKER C/W 3#12 RW90 IN 21MM CONDUIT.
9. WIRE AND CONNECT F-46-M621 (LOCATED ON ROOF) TO PANEL C WITH 20A/1P BREAKER C/W 2#12 RW90 IN 21MM CONDUIT.
10. PROVIDE NEW EXIT LIGHT AND CONNECT TO EXISTING EXIT LIGHT CIRCUITING.
11. CONNECT NEW PAGING SPEAKER TO EXISTING PAGING SYSTEM.
12. CONNECT NEW SMOKE DETECTOR TO EXISTING FIRE ALARM SYSTEM AND PROVIDE VERIFICATION AS REQUIRED.
13. PROVIDE 208V/1Ø C/W 20A/2P BREAKER FOR DISHWASHER.
14. PROVIDE 120V 20A CIRCUIT FOR FUME HOOD. CONTRACTOR SHALL INSTALL TWO (2) RECEPTACLES AND TWO (2) SWITCHES AS SUPPLIED BY OTHERS. COORDINATE WITH SUPPLIER. PROVIDE INTERCONNECTION BETWEEN FUME HOOD SWITCH AND F-46-M621 SO THAT SWITCH INSTALLED ON FUME HOOD TURNS FAN ON/OFF. REFER TO ARCHITECTURAL DRAWING A2 FOR MOUNTING DETAILS.

NOTE:
NOT ALL SYMBOLS SHOWN ON THIS LEGEND ARE NECESSARILY USED ON THIS PROJECT.

ELECTRICAL SYMBOL LEGEND

LIGHTING	GENERAL POWER	ABBREVIATIONS
LINEAR FLUORESCENT LUMINAIRE, TYPE 'A' AS SPECIFIED. HATCHING DENOTES CONNECTED TO EMERGENCY/NIGHT LIGHTING CIRCUIT	15A, U-GROUND DUPLEX RECEPTACLE	BU - BATTERY UNIT
EMERGENCY LIGHTING BATTERY UNIT C/W DUPLEX RECEPTACLE AND DOUBLE REMOTE HEADS. TYPE 'BU-1' AS SPECIFIED.	15A, U-GROUND DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER	D - DELETE
CEILING MOUNTED SINGLE FACED EXIT LIGHT AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREAS DENOTE DIRECTION OF FACE OF EXIT SIGN.	DIRECT CONNECTION - 120 OR 208V AS SPECIFIED	E - EXISTING
LIGHTING CONTROL	FIRE ALARM SYSTEM	LTG - LIGHTING
ONE, TWO, THREE AND FOUR GANG SINGLE POLE TOGGLE SWITCHES	SMOKE DETECTOR - CEILING MOUNTED	MV - EXISTING TO BE MOVED
3-WAY SWITCH	COMMUNICATIONS	MW - MOUNTED IN MILLWORK
4-WAY SWITCH	TELEPHONE OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER	NIC - NOT IN CONTRACT
EQUIPMENT CONNECTIONS AND CONTROLS	DATA OUTLET - WALL MOUNTED OR MOUNTED ABOVE COUNTER	NTS - NOT TO SCALE
DIRECT CONNECTION - 120 OR 208V AS SPECIFIED	FLUSH MOUNTED AUXILIARY SOUND SYSTEM SPEAKER - CEILING MOUNTED	R - RELOCATE(D)
SURFACE MOUNTED ELECTRICAL PANEL	MISCELLANEOUS	TYP - TYPICAL
	INDICATES EXISTING DEVICE TO BE DEMOLISHED	
	ELECTRICAL DRAWING NOTES	

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER	CATALOGUE NO.	VOLTS	LAMPS	REMARKS
1	CFI OR APPROVED EQUAL	VRA2G18LP332 120 03	120	3-F32T8	2x4 RECESSED DEEP CELL PARABOLIC FLUORESCENT.

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SEAL
CONSULTANT DRAWING NO. E1.1

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE - LAB RENOVATIONS

LARGE SCALE ELECTRICAL PLANS

SHEET 1 OF 1
CITY DRAWING NUMBER
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