

1st FLOOR KEY PLAN

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BRIDGEWATER HRSDC
 RE-FIT
 77 DUFFERIN STREET
 BRIDGEWATER
 NOVA SCOTIA

ELECTRICAL LEGEND,
 NOTES AND SCHEDULES

designed	A.CAMERON	conçu
date	FEB. 21, 2014	
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date	FEB. 21, 2014	
approved	R.DUMARESQ	approuvé
date	FEB. 21, 2014	
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ELECTRICAL GENERAL NOTES

- ALL DRAWINGS IN THIS PACKAGE ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES.
- AVOID SCALING FROM DRAWINGS. WHENEVER POSSIBLE, EXACT DIMENSIONS SHALL BE VERIFIED ON SITE.
- COORDINATE ELECTRICAL WORK REQUIREMENTS WITH DEPARTMENTAL REPRESENTATIVE ON SITE TO MINIMIZE TENANT INTERRUPTION.
- ELECTRICAL CONTRACTOR TO COORDINATE WORK SO AS NOT TO DAMAGE OR INTERFERE WITH AREAS OUTSIDE THE SCOPE OF THIS CONTRACT.
- EXISTING ELECTRICAL FEEDERS, CIRCUITS, TELECOMM/DATA CABLING AND THEIR ASSOCIATED PANEL ADDRESSES IN AREAS BEING RENOVATED HAVE NOT BEEN VERIFIED. ANY RACEWAY APPEARING ON THESE DRAWINGS IS DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO TRACE ALL SCOPE RELATED EXISTING CIRCUITS TO CONFIRM OR DETERMINE THE SOURCE PRIOR TO ANY DEMOLITION, RELOCATION, OR INSTALLATION. REASSIGN AND BALANCE CIRCUITS AS NECESSARY TO ACCOMMODATE NEW EQUIPMENT.
- COORDINATE THE ADDRESSES/LOCATIONS OF ALL NEW DEVICES ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
- REFER TO ABBREVIATIONS TABLE ON THIS DRAWING FOR COMPLETE SUFFIX/ABBREVIATION DEFINITIONS FOR DEVICES AND EQUIPMENT.
 ie: 'E' INDICATES AN EXISTING DEVICE TO REMAIN. MAINTAIN EXISTING WIRING AND CONDUITS.
- NEW FIRE ALARM DEVICES SHALL MATCH THE EXISTING TYPE AND FIRE ALARM SYSTEM MANUFACTURER TO ENSURE COMPATIBILITY. FIRE ALARM SYSTEM TO BE RE-VERIFIED BY FIRE ALARM SYSTEM MANUFACTURER AT ELECTRICAL CONTRACTOR'S EXPENSE.
- ELECTRICAL CONTRACTOR TO PROVIDE DEVICE BOXES FOR ALL NEW AND RELOCATED SECURITY AND SECURITY ALARM SYSTEM EQUIPMENT BEING MODIFIED OR INSTALLED UNDER THIS SCOPE. PROVIDE 27C, C/W ALL REQUIRED FASTENERS, HARDWARE AND NYLON PULL CORD FROM EACH DEVICE BOX TO ACCESSIBLE CEILING SPACE WHERE DEVICES ARE INDICATED ON PLAN. ROUTE TO RELOCATED SECURITY CONTROL SYSTEM IN NEW SECURITY ROOM. COORDINATE FINAL INSTALLATION LOCATION ON SITE WITH DEPARTMENTAL REPRESENTATIVE. RELOCATION AND RE-INSTALLATION OF EXISTING SECURITY DEVICES AND CABLING AS WELL AS PROVISION AND INSTALLATION OF NEW SECURITY DEVICES, CABLING AND ASSOCIATED PROGRAMMING TO BE BY SECURITY CONTRACTOR. MAINTAIN ANY ELECTRIC CIRCUITS ASSOCIATED WITH SECURITY EQUIPMENT AND EXTEND FEEDERS AS NECESSARY USING 2#12 +12 BOND AWG IN 27C PROVIDED THAT THE VOLTAGE DROP IS BELOW OR EQUAL TO 3%.
- VERIFY NAMEPLATE RATING ON ALL EQUIPMENT IN ELECTRICAL SCOPE AND REPORT ANY DISCREPANCIES TO CLIENT REPRESENTATIVE PRIOR TO INSTALLATION. VERIFY CONDUCTOR SIZES AS PER MANUFACTURER'S RECOMMENDATIONS.

ABBREVIATIONS

E	INDICATES EXISTING TO REMAIN
X	INDICATES EXISTING TO BE DEMOLISHED
RL	INDICATES RELOCATE EXISTING EQUIPMENT
RE	INDICATES EXISTING EQUIPMENT IN RELOCATED POSITION
N	INDICATES NEW EQUIPMENT

LEGEND

----- HEAVY LINE WEIGHT OF NON CONTINUOUS LINETYPE INDICATES EXISTING ELECTRICAL EQUIPMENT WHICH IS BEING DEMOLISHED
 _____ HEAVY LINE WEIGHT INDICATES NEW ELECTRICAL EQUIPMENT OR EQUIPMENT WHICH IS BEING RELOCATED
 _____ LIGHT LINE WEIGHT INDICATES EXISTING ELECTRICAL EQUIPMENT WHICH IS NOT BEING MODIFIED

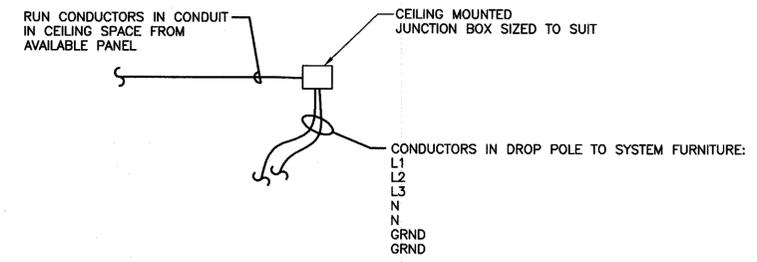
NOTE: REFER TO ELECTRICAL DESCRIPTIONS ABBREVIATIONS ON THIS DRAWING FOR EXPLANATIONS OF ABBREVIATIONS LOCATED ADJACENT TO SYMBOLS AS SHOWN ON PLANS.

	610 X 1220mm FLUORESCENT LIGHTING LUMINAIRE 'a' - INDICATES SWITCHING ARRANGEMENT		DUPLEX RECEPTACLE - 15A, 120V CSA 5-15R UNLESS OTHERWISE NOTED ON PLAN
	610 X 1220mm FLUORESCENT LIGHTING LUMINAIRE 'NL' - INDICATES AN UNSCHEDULED NIGHT LIGHT. (NIGHT LIGHTING LUMINAIRES CONTAIN EMERGENCY BATTERY BALLASTS)		DUPLEX RECEPTACLE - 15A, 120V CSA 5-15R MOUNTED 1067mm A.F.F. UNLESS OTHERWISE NOTED ON PLAN. GFI - INDICATES GROUND FAULT RECEPTACLE
	UNDER CUPBOARD TYPE FLUORESCENT LIGHTING FIXTURE 'A' - INDICATES TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION		QUADRUPLEX RECEPTACLE
	RECESSED POT LIGHT		SPLIT CIRCUIT DUPLEX RECEPTACLE
	LOW VOLTAGE LIGHT SWITCH - 3 INDICATES 3 WAY SWITCHING		DUPLEX RECEPTACLE - 20A, CSA 5-20R
	LOW VOLTAGE LIGHT SWITCH WITH BUILT IN OCCUPANCY SENSOR		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - 20A, CSA 5-20R - GFI INDICATES GROUND FAULT RECEPTACLE
	LINE VOLTAGE DIMMER SWITCH.		DUPLEX RECEPTACLE IN ACCESSIBLE CEILING SPACE
	CEILING MOUNTED EXIT SIGN (IMAGE ON SHADED SIDES, DIRECTION AS INDICATED)		SINGLE TELEPHONE OUTLET
	WALL MOUNTED EXIT SIGN (IMAGE ON SHADED SIDES, DIRECTION AS INDICATED)		SINGLE DATA OUTLET
	DISCONNECT - SIZED AS REQUIRED. 'WP' INDICATES WEATHERPROOF		2 DATA JACKS IN ONE OUTLET
	TOGGLE TYPE THERMAL OVERLOAD PROTECTED SWITCH		ELECTRICAL POWER AND COMMUNICATIONS DROP/POLE - C/W OUTLETS AS INDICATED ON PLANS
	SINGLE PHASE MOTOR		CEILING MOUNTED SMOKE DETECTOR
	THERMOSTAT		CEILING MOUNTED HEAT DETECTOR
	120V DIRECT CONNECTION		FIRE ALARM HORN/STROBE
	ELECTRICAL DEVICE BOX - TYPE AS NOTED ON PLANS		FIRE ALARM PULL STATION
	ELECTRICAL DISTRIBUTION PANEL		SECURITY SYSTEM PANEL
	LOW VOLTAGE RELAY PANEL		SECURITY CARD READER
	TELECOMMUNICATIONS GROUND BUS, 6mm THICK COPPER C/W INSULATORS, BRACKETS AND FASTENERS		SECURITY KEYPAD
	JUNCTION BOX		SECURITY ACCESS CONTROL PANEL
			SECURITY INTRUSION CONTROL PANEL
			SECURITY ALARM PANICBUTTON
			CLOSED CIRCUIT VIDEO EQUIPMENT - DVR AND MONITOR
			DOOR CONTACT / DOOR STRIKE
			MOTION DETECTOR
			DOOR BELL BUTTON
			AUDIBLE ALERT ALARM
			VISUAL ALERT ALARM

LUMINAIRE SCHEDULE

TYPE	STANDARD OF ACCEPTANCE MANUFACTURER No.	DESCRIPTION	LAMP/WATTAGE	VOLTAGE
A	CFI / PHILIPS UNDERCABINET TASK LIGHT OR APPROVED ALTERNATE	1 LAMP, SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE C/W ELECTRIC RAPID START BALLAST & BUILT IN ROCKER SWITCH	1 x 32W T8	120V
B	LIGHTOLIER - LYTECASTER POT LIGHT CAT. No. 1050LRNDLDCW FIXTURE C/W 1050LRN09D1 FRAME IN KIT AND - 1050LRN0935 LED ENGINE OR APPROVED ALTERNATE	1 LAMP, RECESSED LED LIGHTING FIXTURE	LED 20W ENGINE	120V

NOTES:
 DUE TO CHANGES WHICH MAY OCCUR IN LIGHTING SUPPLIER CATALOGUES, CONTRACTOR SHALL VERIFY CATALOGUE NUMBERING PRIOR TO ORDERING.



NOTE:
 ISOLATED GROUND IS NOT AVAILABLE IN THIS FACILITY. THREE CIRCUITS ARE TO BE PROVIDED FOR SYSTEM FURNITURE.
TYPICAL SYSTEM FURNITURE ELECTRICAL DIAGRAM
 SCALE: N.T.S.

