

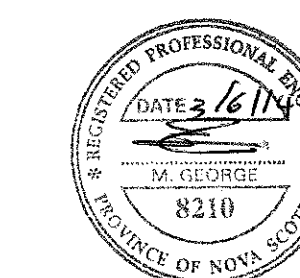
1st FLOOR KEY PLAN



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PROJECT No. 133430020

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1	ISSUED FOR TENDER	MAY23 2014
0	ISSUED FOR TENDER	APR11 2014
revisions		date

BRIDGEWATER HRSDC
RE-FIT
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ELECTRICAL LEGEND,
NOTES AND SCHEDULES

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date FEB. 21, 2014
drawn A.CAMERON
date FEB. 21, 2014
approved R.DUMARESQ
date FEB. 21, 2014
Tender THEA LUYPEN
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project number R.052379.002
drawing no. E1

E-DRM/GDD-E: EDRM_DOC_NUM

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

610 X 1220mm FLUORESCENT LIGHTING LUMINAIRE
'NL' - INDICATES AN UNSWITCHED NIGHT LIGHT.
(NIGHT LIGHTING LUMINAIRES CONTAIN EMERGENCY BATTERY BALLASTS)

UNDER CUPBOARD TYPE FLUORESCENT LIGHTING FIXTURE
'D' - INDICATES TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION

RECESSED POT LIGHT

3 \$ LV LOW VOLTAGE LIGHT SWITCH - 3 INDICATES 3 WAY SWITCHING

\$ LV LOW VOLTAGE LIGHT SWITCH WITH BUILT IN OCCUPANCY SENSOR

\$ D LINE VOLTAGE DIMMER SWITCH.

CEILING MOUNTED EXIT SIGN (IMAGE ON SHADED SIDES, DIRECTION AS INDICATED)

WALL MOUNTED EXIT SIGN (IMAGE ON SHADED SIDES, DIRECTION AS INDICATED)

DISCONNECT - SIZED AS REQUIRED. 'WP' INDICATES WEATHERPROOF

\$ TOL TOGGLE TYPE THERMAL OVERLOAD PROTECTED SWITCH

SINGLE PHASE MOTOR

THERMOSTAT

120V DIRECT CONNECTION

ELECTRICAL DEVICE BOX - TYPE AS NOTED ON PLANS

ELECTRICAL DISTRIBUTION PANEL

LOW VOLTAGE RELAY PANEL

TELECOMMUNICATIONS GROUND BUS, 6mm THICK COPPER C/W INSULATORS, BRACKETS AND FASTENERS

JUNCTION BOX

DUPLEX RECEPTACLE - 15A, 120V CSA 5-15R UNLESS OTHERWISE NOTED ON PLAN

DUPLEX RECEPTACLE - 15A, 120V CSA 5-15R MOUNTED 1067mm A.F.F. UNLESS OTHERWISE NOTED ON PLAN.
GFI - INDICATES GROUND FAULT RECEPTACLE

QUADRAPLEX RECEPTACLE

SPLIT CIRCUIT DUPLEX RECEPTACLE

DUPLEX RECEPTACLE - 20A, CSA 5-20R

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - 20A, CSA 5-20R - GFI INDICATES GROUND FAULT RECEPTACLE

DUPLEX RECEPTACLE IN ACCESSIBLE CEILING SPACE

SINGLE TELEPHONE OUTLET

SINGLE DATA OUTLET

2 DATA JACKS IN ONE OUTLET

ELECTRICAL POWER AND COMMUNICATIONS DROP/POLE - C/W OUTLETS AS INDICATED ON PLANS

CEILING MOUNTED SMOKE DETECTOR

CEILING MOUNTED HEAT DETECTOR

FIRE ALARM HORN/STROBE

FIRE ALARM PULL STATION

SECURITY SYSTEM PANEL

SECURITY CARD READER

SECURITY KEYPAD

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

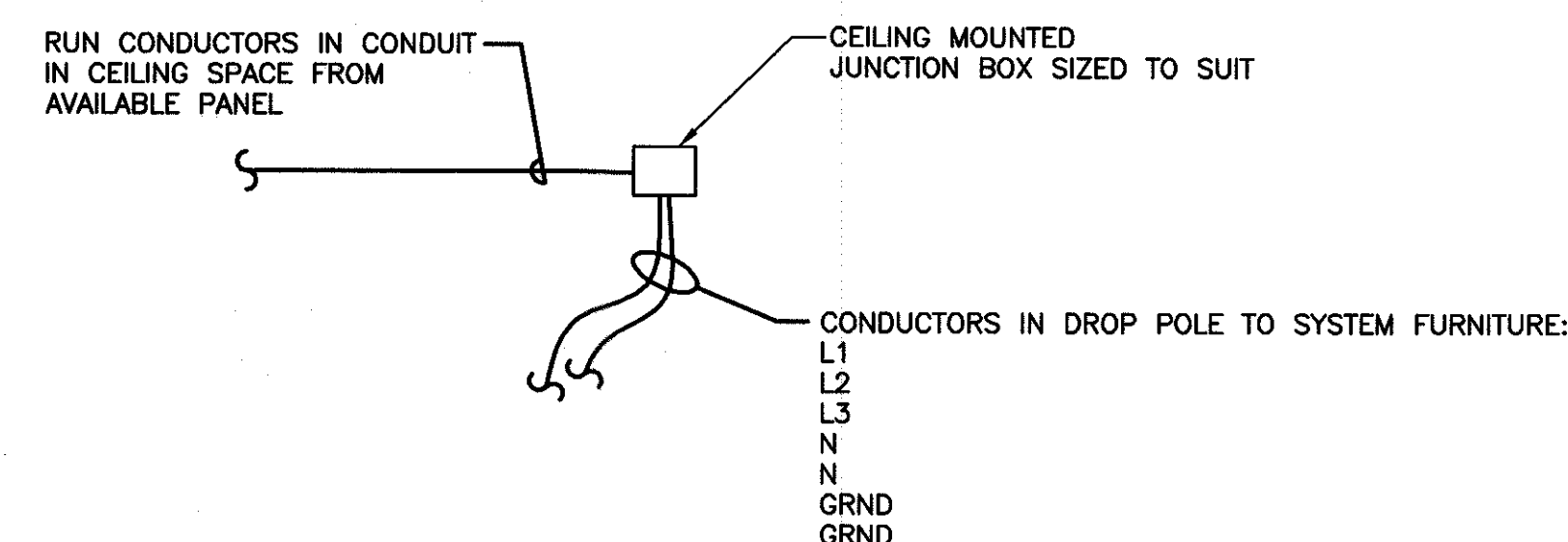
VISUAL ALERT ALARM

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



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.

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.