

## ELECTRICAL SYMBOL LEGEND

### LIGHTING

	FLUORESCENT LUMINAIRE – SURFACE OR SUSPENDED
	FLUORESCENT LUMINAIRE – RECESSED
	FLUORESCENT EMERGENCY LUMINAIRE – SURFACE OR SUSPENDED
	CEILING POT OR HID LUMINAIRE – SURFACE OR SUSPENDED
	WALL SCONCE OR HID LUMINAIRE
	STANCHION MOUNTED HID LUMINAIRE
	CEILING MOUNTED EXIT LIGHT – ARROWS AS REQUIRED
	WALL MOUNTED EXIT LIGHT – ARROWS AS REQUIRED
	BATTERY PACK C/W HEADS AS INDICATED
	WALL MOUNTED EMERGENCY REMOTE HEADS
	PHOTO ELECTRIC CELL
	TIME CLOCK
NL	NIGHT LIGHT
	LUMINAIRE TYPE
	SINGLE POLE SWITCH

WALL SWITCH: 3 – THREE WAY      LV- LOW VOLTAGE  
 4 – FOUR WAY              M – MOTOR RATED  
 D – DIMMER                  PL- PILOT LIGHT  
 EX- EXPLOSION PROOF      WP- WEATHER PROOF

### POWER

	DUPLEX RECEPTACLE
	SINGLE RECEPTACLE
	ISOLATED GROUND RECEPTACLE
	SPLIT-FEED RECEPTACLE
	GROUND FAULT RECEPTACLE
	SPECIAL 120V RECEPTACLE
	SPECIAL 208V 1Ø RECEPTACLE
	SPECIAL 208V 3Ø RECEPTACLE
	SPECIAL 347V RECEPTACLE
	SPECIAL 600V RECEPTACLE
	SPECIAL RECEPTACLE
	MOTOR CONNECTION
	DIRECT CONNECTION – CONNECTION TO EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS.
	MOTORIZED DAMPER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER C/W PILOT LIGHT
	PANEL BOARD – SURFACE MOUNTED
	MISC. PANEL BOARD – FLUSH MOUNTED
WP	WEATHER PROOF
GF	GROUND FAULT
A.F.F.	ABOVE FINISHED FLOOR
	START-STOP PUSHBUTTON
	OVERHEAD GARAGE DOOR OPENER

### FIRE ALARM

	MANUAL PULL STATION
	BELL C/W VISUAL ALARM LIGHT
	WALL MOUNTED HORN
	WALL MOUNTED HORN/STROBE
	WALL MOUNTED BELL
	WALL MOUNTED BELL/STROBE
	CEILING MOUNTED HORN
	SMOKE DETECTOR
	RATE OF RISE THERMAL DETECTOR
	FIXED TEMPERATURE THERMAL DETECTOR
	DUCT MOUNTED SMOKE DETECTOR
	END OF LINE RESISTOR
	SPRINKLER FLOW SWITCH
	SPRINKLER PRESSURE SWITCH
	SPRINKLER VALVE MONITOR
	CONTROL MODULE
	SOLENOID VALVE
	FIRE PHONE
	FIRE ALARM SPEAKER

### COMMUNICATION

	VOICE OUTLET
	DATA OUTLET
	VOICE/DATA OUTLET

### SECURITY

	CARD READER
	DOOR POSITION SWITCH
	MOTION DETECTOR

### LINE SYMBOLS

	CABLE NUMBER
	CONDUCTOR
	UNDERGROUND CONDUCTOR
	OVERHEAD CONDUCTOR

	CIRCUIT BREAKER
	DRAW OUT CIRCUIT BREAKER
	CIRCUIT BREAKER C/W CURRENT LIMITERS
	POWER CIRCUIT BREAKER C/W FRAME SIZE INDICATION
	STAB TYPE DISCONNECT
	LIGHTNING ARRESTER
	SURGE ARRESTER
	THERMAL OVERLOAD DEVICE
	CONTACT
	CONTACT
	CAPACITOR C/W KVAR RATING
	POTENTIAL TRANSFORMER C/W VOLTAGE AND QUANTITY
	CURRENT TRANSFORMER C/W RATIO AND QUANTITY
	ZERO SEQUENCE CURRENT TRANSFORMER
	DIGITAL METERING
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	VARIABLE FREQUENCY DRIVE
	METERING DEVICE
	ELECTRIC MOTOR
	HARMONIC FILTER kW RATED
	DISTRIBUTION TRANSFORMER
	DELTA
	WYE
	WYE OR STAR WITH SOLID GROUNDED NEUTRAL
	GROUND
	STARTER – FVNR FULL VOLTAGE NON-REVERSING
	STARTER – SOFT START
	STARTER – 2 SPEED, 1 WINDING

V – VOLTAGE      kW – KILOWATTS  
 A – AMPERAGE      kVAR – KILOVARS  
 PF – POWER FACTOR



B.M. ELEV.			
01	21-2006 ADDENDUM 3	06/05/23	ERC
00	ISSUED FOR TENDER	06/04/26	ERC
NO.	REVISIONS	DATE	BY

<b>EarthTech</b> A Tyco International Ltd. Company			
DESIGNED BY	GSN	CHECKED BY	PS
DRAWN BY	ERC	APPROVED BY	JEH
HOR. SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX
VERTICAL SCALE:		DATE	2005/11/22
DATE	2005/11/22	DATE	2006/04/26

ENGINEER'S SEAL
ORIGINAL SIGNED BY
P. STRYK
2006/04/26
CONSULTANT DRAWING NO.
LE1.01

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 ENGINEERING DIVISION

**WEWPC**  
 BIOLOGICAL NUTRIENT REMOVAL UPGRADE  
 CONTRACT 3

ELECTRICAL  
 AREA L – GENERAL AND SITEWORKS  
 SYMBOL LEGEND

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER