

ELECTRICAL SYMBOL LEGEND

LIGHTING

	FLUORESCENT LUMINAIRE - SURFACE OR SUSPENDED
	FLUORESCENT LUMINAIRE - RECESSED
	FLUORESCENT EMERGENCY LUMINAIRE - SURFACE OR SUSPENDED
	FLUORESCENT RECESSED EMERGENCY LUMINAIRE - RECESSED
	FLUORESCENT LUMINAIRE - WALL MOUNTED
	FLUORESCENT STRIPLIGHT LUMINAIRE
	CEILING POT OR HID LUMINAIRE - SURFACE OR SUSPENDED
	CEILING POT OR HID LUMINAIRE - EMERGENCY - SURFACE OR SUSPENDED
	RECESSED POT OR HID LUMINAIRE - RECESSED
	RECESSED POT OR HID LUMINAIRE - EMERGENCY - RECESSED
	WALL SCONCE OR HID LUMINAIRE
	WALL SCONCE OR HID LUMINAIRE - EMERGENCY
	TRACK LIGHT
	POLE MOUNTED LUMINAIRE
	POLE MOUNTED LUMINAIRE - DOUBLE HEADS
	BOLLARD PATHWAY 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
	CEILING MOUNTED EMERGENCY REMOTE HEADS
	OCCUPANCY SENSOR
	PHOTO ELECTRIC CELL
	TIME CLOCK
	NIGHT LIGHT
	LUMINAIRE TYPE
	SINGLE POLE SWITCH

WALL SWITCH: 3 - THREE WAY
4 - FOUR WAY
D - DIMMER
EX - EXPLOSION PROOF
K - KEY OPERATED

LV - LOW VOLTAGE
M - MOTOR RATED
PL - PILOT LIGHT
WP - WEATHER PROOF

POWER

	DUPLEX RECEPTACLE		WALL MOUNTED CLOCK OUTLET ONLY
	CEILING MOUNTED RECEPTACLE		WALL MOUNTED SINGLE FACE CLOCK
	SINGLE RECEPTACLE		WALL MOUNTED DOUBLE FACE CLOCK
	FOUR-PLEX RECEPTACLE		CEILING MOUNTED CLOCK OUTLET ONLY
	ISOLATED GROUND RECEPTACLE		CEILING MOUNTED SINGLE FACE CLOCK
	SPLIT-FEED RECEPTACLE		CEILING MOUNTED DOUBLE FACE CLOCK
	GROUND FAULT RECEPTACLE		BELL
	120V RECEPTACLE (UPS POWER)		PUSHBUTTON
	SPECIAL 208V 1Ø RECEPTACLE		START-STOP PUSHBUTTON
	SPECIAL 208V 3Ø RECEPTACLE		BUZZER
	SPECIAL 347V RECEPTACLE		HORN
	SPECIAL 600V WELDING RECEPTACLE		KILL SWITCH/EMERGENCY STOP
	SPECIAL RECEPTACLE		PANEL BOARD - SURFACE MOUNTED
	SPECIAL RECEPTACLE - MOUNTED ABOVE COUNTER		MISC. PANEL BOARD - FLUSH MOUNTED
	DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER		MISC. PANEL BOARD - SURFACE MOUNTED
	SPLIT-FEED RECEPTACLE - MOUNTED ABOVE COUNTER		THERMOSTAT
	GROUND FAULT RECEPTACLE - MOUNTED ABOVE COUNTER		WALL MOUNTED JUNCTION BOX
	FLOOR MOUNTED DUPLEX RECEPTACLE		CEILING MOUNTED JUNCTION BOX
	FLOOR MOUNTED FOUR-PLEX RECEPTACLE		FLOOR MOUNTED JUNCTION BOX
	FLOOR MOUNTED SPECIAL RECEPTACLE		WEATHER PROOF
	SPLIT-FEED CAR POST C/W RECEPTACLE		GROUND FAULT
	EQUAL POTENTIAL GROUND RECEPTACLE		A.B.F. ABOVE FINISHED FLOOR
	ISOLATED GROUND FOUR-PLEX RECEPTACLE		SYSTEM FURNITURE - POWER DIRECT CONNECTION
	ISOLATED/EQUAL POTENTIAL GROUND RECEPTACLE		C-O-H COMPUTER-OFF-HAND
	POWER/TELECOM - PACPOLE		H-O-A HAND-OFF-AUTO SWITCH (LOCAL TO EQUIPMENT CONTROLLED)
	MOTOR		
	DISCONNECT SWITCH		
	FUSED DISCONNECT SWITCH		
	MAGNETIC MOTOR STARTER		
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER		
	MANUAL MOTOR STARTER C/W PILOT LIGHT		
	DIRECT CONNECTION - CONNECTION TO EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS. CONDUIT AND WIRING UNDER DIVISION 16.		
	MANUAL MOTOR STARTER		
	MOTORIZED DAMPER		
	OVERHEAD GARAGE DOOR OPENER		

FIRE ALARM

	MANUAL PULL STATION
	BELL C/W VISUAL ALARM LIGHT
	WALL MOUNTED HORN
	CEILING MOUNTED HORN/STROBE
	WALL MOUNTED BELL
	CEILING 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
	FLOOR MOUNTED VOICE/DATA OUTLET
	TELEVISION OUTLET
	SPEAKER
	+1525 MOUNTING HEIGHT A.F.F. (mm)

SECURITY

	CARD READER
	DOOR POSITION SWITCH
	ELECTRIC EYE
	ELECTRIC DOOR STRIKE
	MAGNETIC DOOR LOCK
	MOTION DETECTOR
	DOOR EXIT RELEASE PUSHBUTTON
	MAGNETIC DOOR HOLD OPEN

LIGHTNING PROTECTION

	BARE COPPER CONDUCTOR BURIED AS REQUIRED BELOW GRADE.
	SURGE ARRESTOR (GAP TYPE)
	GROUNDING ROD
	AIR TERMINAL
	COLUMN OR CONDUCTOR CONNECTION PLATE
	THROUGH ROOF CONNECTION TO STEEL COLUMN

CONDUIT AND WIRE

	CONDUIT STUB		CONDUIT DRAIN SEAL
	HOME RUN		CONDUIT CAP
	VERTICAL LEVEL CHANGE (PLAN) OR RECEDING CONDUIT (ELEVATION)		CONDUIT
	CONDUIT FITTING		OVERHEAD POWER LINES
	CONDUIT BREATHER/DRAIN		CONDUIT UNDER GROUND OR CONCEALED
	CONDUIT SEAL		E.C. EMPTY CONDUIT
			GROUND ROD C/W WELL
			GROUND ROD WITHOUT WELL

 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV.	 Frederickson Cooper ARCHITECTS	 A Type International Ltd. Company	ENGINEER'S SEAL ORIGINAL SIGNED BY B.L. MOORE 2006/03/29	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION
	DESIGNED BY PS CHECKED BY BM DRAWN BY CPG APPROVED BY AHL	SCALE: NONE RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI	CONSULTANT DRAWING NO. WM-E0011	WATER TREATMENT PLANT GENERAL PLANT SERVICES MECHANICAL AND ELECTRICAL	CITY FILE NUMBER SHEET OF CITY DRAWING NUMBER 1-0601M-D-E0011-001-020
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