

## 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
	POLE MOUNTED LUMINAIRE
	POLE MOUNTED LUMINAIRE - DOUBLE HEADS
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	DIMMER SWITCH
	LOW VOLTAGE SWITCH
	PILOT LIGHT
	CEILING MOUNTED EXIT LIGHT - ARROWS AS INDICATED
	WALL MOUNTED EXIT LIGHT - ARROWS AS INDICATED
	BATTERY PACK C/W HEADS AS INDICATED
	WALL MOUNTED EMERGENCY REMOTE HEADS
	CEILING MOUNTED EMERGENCY REMOTE HEADS
	OCCUPANCY SENSOR
	LUMINAIRE TYPE
	PHOTO ELECTRIC CELL
	TIME CLOCK
	NIGHT LIGHT

### POWER

	DUPLEX RECEPTACLE
	CEILING MOUNTED RECEPTACLE
	SINGLE RECEPTACLE
	FOUR-PLEX RECEPTACLE
	ISOLATED GROUND RECEPTACLE
	SPLIT-FEED RECEPTACLE
	GROUND FAULT RECEPTACLE
	SPECIAL 120V RECEPTACLE
	SPECIAL 208V 1φ RECEPTACLE
	SPECIAL 208V 3φ RECEPTACLE
	SPECIAL 347V RECEPTACLE
	SPECIAL 600V RECEPTACLE
	DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER
	SPLIT-FEED RECEPTACLE - MOUNTED ABOVE COUNTER
	FLOOR MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED FOUR-PLEX RECEPTACLE
	FLOOR MOUNTED SPECIAL RECEPTACLE
	DIRECT CONNECTION
	SPLIT-FEED CAR POST C/W RECEPTACLE
	EQUAL POTENTIAL GROUND RECEPTACLE
	ISOLATED GROUND FOUR-PLEX RECEPTACLE
	ISOLATED/EQUAL POTENTIAL GROUND RECEPTACLE
	POWER/TELECOM - PACPOLE
	MOTOR
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER C/W PILOT LIGHT
	WALL MOUNTED CLOCK OUTLET ONLY
	WALL MOUNTED SINGLE FACE CLOCK
	WALL MOUNTED DOUBLE FACE CLOCK
	CEILING MOUNTED CLOCK OUTLET ONLY
	CEILING MOUNTED SINGLE FACE CLOCK
	CEILING MOUNTED DOUBLE FACE CLOCK
	BELL
	PUSHBUTTON
	BUZZER
	HORN
	KILL SWITCH
	PANEL BOARD - SURFACE MOUNTED
	MISC. PANEL BOARD - FLUSH MOUNTED
	MISC. PANEL BOARD - SURFACE MOUNTED
	THERMOSTAT
	WALL MOUNTED JUNCTION BOX
	CEILING MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	WEATHER PROOF
	GROUND FAULT
	ABOVE FINISHED FLOOR
	SYSTEM FURNITURE - POWER DIRECT CONNECTION

### FIRE ALARM

	MANUAL BREAKGLASS STATION
	WALL MOUNTED HORN
	CEILING MOUNTED HORN/STROBE
	CEILING MOUNTED HORN
	WALL MOUNTED HORN/STROBE
	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

### COMMUNICATION

	VOICE OUTLET
	VOICE/DATA OUTLET
	FLOOR MOUNTED VOICE/DATA OUTLET
	TELEVISION OUTLET
	MOUNTING HEIGHT A.F.F. (mm)
	SYSTEM FURNITURE - TELECOMMUNICATIONS DIRECT CONNECTION

### 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

	4/0 BARE COPPER CONDUCTOR BURIED 500mm BELOW GRADE.
	GROUNDING ROD

### CONDUIT AND WIRE

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

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B.M. ELEV.	 <b>Frederickson Cooper</b> ARCHITECTS	 A Total International Ltd. Company	ENGINEER'S SEAL	 <b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION
	DESIGNED BY: BLM	CHECKED BY:		<b>WATER TREATMENT PLANT</b> <b>CLEARWELL CONSTRUCTION</b>
	DRAWN BY: ERC	APPROVED BY:		CITY FILE NUMBER
	HOR. SCALE:	RELEASED FOR CONSTRUCTION BY:		SHEET 1 OF #S
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