

ELECTRICAL SYMBOL LEGEND

LIGHTING

	FLUORESCENT LUMINAIRE – SURFACE OR SUSPENDED	LTG_SURF
	FLUORESCENT LUMINAIRE – RECESSED	LTG_REC
	FLUORESCENT EMERGENCY LUMINAIRE – SURFACE OR SUSPENDED	LTG_S_E
	FLUORESCENT RECESSED EMERGENCY LUMINAIRE – RECESSED	LTG_R_E
	FLUORESCENT LUMINAIRE – WALL MOUNTED	LTG_SURF
	FLUORESCENT STRIPLIGHT LUMINAIRE	LTG_STP
	CEILING POT OR HID LUMINAIRE – SURFACE OR SUSPENDED	SPOT
	CEILING POT OR HID LUMINAIRE – EMERGENCY – SURFACE OR SUSPENDED	SPOT_E
	RECESSED POT OR HID LUMINAIRE – RECESSED	R_POT
	RECESSED POT OR HID LUMINAIRE – EMERGENCY – RECESSED	R_POT_E
	WALL SCONCE OR HID LUMINAIRE	W_POT
	WALL SCONCE OR HID LUMINAIRE – EMERGENCY	W_POT_E
	TRACK LIGHT	TRACK_LT
	POLE MOUNTED LUMINAIRE	POLE_HID
	POLE MOUNTED LUMINAIRE – DOUBLE HEADS	POLE_HID_2
	CEILING MOUNTED EXIT LIGHT – ARROWS AS REQUIRED	EXIT_C
	WALL MOUNTED EXIT LIGHT – ARROWS AS REQUIRED	EXIT_W
	BATTERY PACK C/W HEADS AS INDICATED	BAT_PACK
	WALL MOUNTED EMERGENCY REMOTE HEADS	REM_HEAD
	CEILING MOUNTED EMERGENCY REMOTE HEADS	REM_HD_C
	OCCUPANCY SENSOR	OC_SENSOR
	PHOTO ELECTRIC CELL	PC
	TIME CLOCK	TC
	NIGHT LIGHT	NL
	LUMINAIRE TYPE	LUM_TYPE
	SINGLE POLE SWITCH (USE TORIENT COMMAND TO STRAITEN ATTRIBUTES)	SW_SP
<p>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 K – KEY OPERATED</p>		

POWER

	DUPLEX RECEPTACLE	REC_
	CEILING MOUNTED RECEPTACLE	REC_C
	SINGLE RECEPTACLE	REC_SGL
	FOUR-PLEX RECEPTACLE	REC_4PLX
	ISOLATED GROUND RECEPTACLE	REC_IG
	SPLIT-FEED RECEPTACLE	REC_SPLT
	GROUND FAULT RECEPTACLE	REC_GF
	120V RECEPTACLE (UPS POWER)	REC_120
	SPECIAL 208V 1φ RECEPTACLE	REC_2_1P
	SPECIAL 208V 3φ RECEPTACLE	REC_2_3P
	SPECIAL 347V RECEPTACLE	REC_347
	SPECIAL 600V WELDING RECEPTACLE	REC_600
	SPECIAL RECEPTACLE	REC_SPE
	SPECIAL RECEPTACLE – MOUNTED ABOVE COUNTER	REC_SPAC
	DUPLEX RECEPTACLE – MOUNTED ABOVE COUNTER	REC_AC
	SPLIT-FEED RECEPTACLE – MOUNTED ABOVE COUNTER	REC_SAC
	GROUND FAULT RECEPTACLE – MOUNTED ABOVE COUNTER	REC_GFAC
	FLOOR MOUNTED DUPLEX RECEPTACLE	REC_FL
	FLOOR MOUNTED FOUR-PLEX RECEPTACLE	REC_FL4P
	FLOOR MOUNTED SPECIAL RECEPTACLE	REC_FLSP
	SPLIT-FEED CAR POST C/W RECEPTACLE	REC_DIR
	EQUAL POTENTIAL GROUND RECEPTACLE	REC_POST
	ISOLATED GROUND FOUR-PLEX RECEPTACLE	REC_PG
	ISOLATED/EQUAL POTENTIAL GROUND RECEPTACLE	REC_4IG
	POWER/TELECOM – PACPOLE	REC_IGPG
	MOTOR	PACPOLE
	DISCONNECT SWITCH	MOTOR
	FUSED DISCONNECT SWITCH	DISCSW
	MAGNETIC MOTOR STARTER	DISCSW_FUSE
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER	MAGSTR
	MANUAL MOTOR STARTER C/W PILOT LIGHT	COMBSTR
	DIRECT CONNECTION – CONNECTION TO EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS. CONDUIT AND WIRING UNDER DIVISION 16.	SW_MP
	MANUAL MOTOR STARTER	

	WALL MOUNTED CLOCK OUTLET ONLY	CLK_W
	WALL MOUNTED SINGLE FACE CLOCK	CLK_1F
	WALL MOUNTED DOUBLE FACE CLOCK	CLK_2F
	CEILING MOUNTED CLOCK OUTLET ONLY	CLK_C
	CEILING MOUNTED SINGLE FACE CLOCK	CLK_1FC
	CEILING MOUNTED DOUBLE FACE CLOCK	CLK_2FC
	BELL	BELL
	PUSHBUTTON	PBUTTON
	START-STOP PUSHBUTTON	START_STOP
	BUZZER	BUZZER
	HORN	HORN
	KILL SWITCH/EMERGENCY STOP	SW_KILL
	PANEL BOARD – SURFACE MOUNTED	PNL_PWR
	MISC. PANEL BOARD – FLUSH MOUNTED	PNL_MISC
	MISC. PANEL BOARD – SURFACE MOUNTED	PNL_MISC_SURF
	THERMOSTAT	THERMOSTAT
	WALL MOUNTED JUNCTION BOX	JBO_W
	CEILING MOUNTED JUNCTION BOX	JB
	FLOOR MOUNTED JUNCTION BOX	JB_FL
	WEATHER PROOF	
	GROUND FAULT	
	A.F.F. ABOVE FINISHED FLOOR	
	SYSTEM FURNITURE – POWER DIRECT CONNECTION	P_DIRECT_POLE
	C-O-H COMPUTER-OFF-HAND H-O-A HAND-OFF-AUTO SWITCH (LOCAL TO EQUIPMENT CONTROLLED)	

FIRE ALARM

	MANUAL PULL STATION	FA_PULL
	BELL C/W VISUAL ALARM LIGHT	FA_STROBE
	WALL MOUNTED HORN	FA_HORN
	WALL MOUNTED HORN/STROBE	FA_HORN_STR
	WALL MOUNTED BELL	FA_BELL
	WALL MOUNTED BELL/STROBE	FA_BELL_STR
	CEILING MOUNTED HORN	FA_HORN_C
	SMOKE DETECTOR	FA_SMOKE
	RATE OF RISE THERMAL DETECTOR	FA_ROR
	FIXED TEMPERATURE THERMAL DETECTOR	FA_FIXHT
	DUCT MOUNTED SMOKE DETECTOR	FA_DUCT
	END OF LINE RESISTOR	FA_EOL
	SPRINKLER FLOW SWITCH	FA_FSW
	SPRINKLER PRESSURE SWITCH	FA_PSW
	SPRINKLER VALVE MONITOR	FA_VALVE
	CONTROL MODULE	FA_CONTROL
	SOLENOID VALVE	S_VALVE
	FIRE PHONE	FA_PHONE
	FIRE ALARM SPEAKER	FA_SPKR

COMMUNICATION

	VOICE OUTLET	TEL
	DATA OUTLET	DATA
	VOICE/DATA OUTLET	COM_DATA
	FLOOR MOUNTED VOICE/DATA OUTLET	COM_DATA_FL
	TELEVISION OUTLET	TV
	SPEAKER	SPKR
+1525 MOUNTING HEIGHT A.F.F. (mm)		

SECURITY

	CARD READER	CARDREADER
	DOOR POSITION SWITCH	DOORSW
	ELECTRIC EYE	ELEC_EYE
	ELECTRIC DOOR STRIKE	ELEC_DOOR_ST
	MAGNETIC DOOR LOCK	MAG_DOOR_LK
	MOTION DETECTOR	MOT_DET
	DOOR EXIT RELEASE PUSHBUTTON	EXIT_PB
	MAGNETIC DOOR HOLD OPEN	DOOR_HOLDOPEN

LIGHTNING PROTECTION

	BARE COPPER CONDUCTOR BURIED AS REQUIRED BELOW GRADE.	
	SURGE ARRESTOR (GAP TYPE)	SURGE ARRESTOR
	GROUNDING ROD	GROUND

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 UNDERGROUND OR CONCEALED
	CONDUIT SEAL		E.C. EMPTY CONDUIT
			GROUND ROD C/W WELL
			GROUND ROD WITHOUT WELL



B.M. ELEV.			
DESIGNED BY	PS	CHECKED BY	BM
DRAWN BY	CPG	APPROVED BY	AHL
SCALE:	NONE	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
NO.	ISSUED FOR CONSTRUCTION	DATE	BY
01	ISSUED FOR TENDER	06/07/28	JBC
00		06/03/29	ERC
NO.	REVISIONS	DATE	BY
		2005/07/28	
		2006/03/29	

CH2M HILL
Frederickson Cooper ARCHITECTS

EarthTech
A Tyco International Ltd. Company

DESIGNED BY PS CHECKED BY BM
 DRAWN BY CPG APPROVED BY AHL
 SCALE: NONE RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI

DATE 2005/07/28 DATE 2006/03/29

ENGINEER'S SEAL

ORIGINAL SIGNED BY
B.L. MOORE
2006/03/29

CONSULTANT DRAWING NO.
WM-E0011

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

Winnipeg

WATER TREATMENT PLANT
GENERAL PLANT SERVICES
MECHANICAL AND ELECTRICAL

ELECTRICAL SYMBOLS LEGEND

CITY FILE NUMBER
SHEET OF

CITY DRAWING NUMBER
1-0601M-D-E0011-001-010